

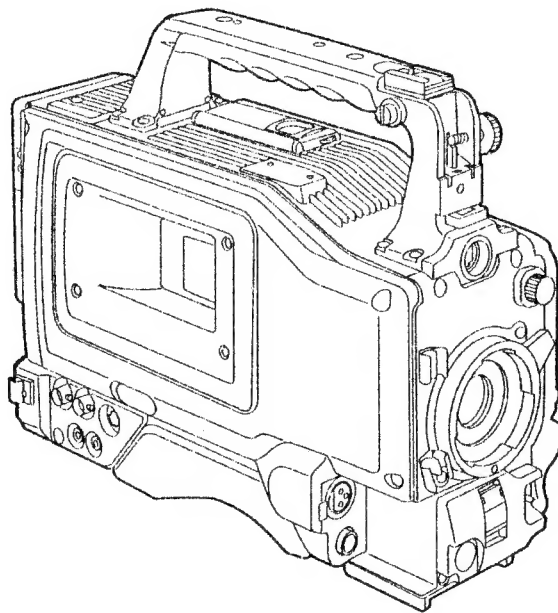
ORDER NO. BSD0109M624

Service Manual

Digital Video Camera Recorder



AG-DVC200E



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⚠ WARNING


This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Please refer to the Operating Instructions in the appendix folder. / (Go to Appendix List)

Specifications

[GENERAL]

Power requirements: DC 12 V (11.0 V to 17.0 V)
Power consumption: 18 W

 indicates safety information.

Operating temperature:
0 °C to +40 °C

Storage temperature:
-20 °C to +60 °C

Operating humidity:
Less than 85% (relative humidity)

Continuous operating time:
Approx. 120 min. (continuous recording time
using the TRIMPAC14 made by Anton Bauer)

Dimensions (W × H × D):
123 × 190 × 292 mm (excluding grip)

Weight:
Approx. 3 kg (main unit only)

[CAMERA UNIT]

Pickup device:
1/2-inch IT type CCD (480,000 pixels)

System:
RGB 3-CCD system

Total number of pixels:
795(H) × 596(V)

Number of effective pixels:
752(H) × 582(V)

Spectral system:
f/1.4 prism system

Internal filters:
1: 3200K (clear)
2: 5600K + 1/8ND
3: 5600K
4: 5600K + 1/64ND

Quantizing:
10 bits, non-linear

Sampling frequency:
14.1875 MHz

Digital signal processing:
28.375 MHz

Horizontal drive frequency:
14.1875 MHz

Programmable gain:
3 positions (L, M and H) selected from 0, 3, 6,
9, 12, 15, 18, 21, 24, 30, 36 dB

Shutter speed
Preset: 1/60, 1/120, 1/250, 1/500, 1/1000,
1/2000
Variable: 1/50.2 to 1/248.0

Lens mount:
Bayonet type

Sensitivity:
F11 (2000 lux)

Minimum subject brightness:
0.5 lux (at f/1.4 +36 dB)

Video S/N ratio:
60 dB (standard)

Horizontal resolution:
800 lines (at centre) (CAM OUT connector)

Registration:
Less than 0.05% (total area, lens distortion
excluded)

Geometric distortion:
Negligible (lens distortion excluded)

[VTR UNIT]

Video system

Recording format:
DV format

Sampling frequency
Y: 13.5 MHz

Quantizing:
8 bits

Audio system

Recording format:
Digital PCM stereo recording
16 bits (48 kHz/2 channels)
12 bits (32 kHz/2 channels)

Frequency response:
20 Hz to 20 kHz (at 48 kHz)

Tape transport system

Tape format:
DV standard cassettes

Tape speed:
18.831 mm/sec.

Maximum recording time:
276 min.

Specifications

[CONNECTOR SECTION]

Input

AUDIO IN CH1/CH2 (XLR × 2, 3 pins):

LINE/MIC/MIC+48V switching system

MIC: -40, -50, -60 dBu menu-selectable

LINE: -6, 0, +4 dBu menu-selectable

MIC+48V: Phantom +48V supported

MIC IN (XLR, 3 pins):

MIC/MIC+48V switching system

MIC: -40, -50, -60 dBu menu-selectable

MIC+48V: Phantom +48V supported (menu-selectable)

GEN LOCK IN (BNC):

1.0 V[p-p], 75 Ω

Output

CAMERA OUT (BNC):

1.0 V[p-p], 75 Ω

VIDEO OUT (BNC):

1.0 V[p-p], 75 Ω

S-VIDEO OUT (S connector)

Y signal: 1.0 V[p-p], 75 Ω

C signal: 0.3 V[p-p], 75 Ω

AUDIO OUT CH1/CH2 (RCA × 2):

-6 dBu, low impedance, unbalanced

PHONE OUT (stereo mini jack):

-30 to -80 dBu

Other

DV 1394 (4 pins):

IEEE1394 output

DC IN (XLR, 4 pins, male):

DC 12 V (DC 11 to 17V)

DC OUT (4 pins):

DC 12 V (DC 11 V to 17 V), max. 1 A (DC 7 V, max. 1 A output also available)

LENS (multi-connector, 12 pins)

EVF (multi-connector, 20 pins)

[VIEWFINDER]

(Optional accessory AJ-VF10)

CRT:

1.5-inch high-resolution monochrome CRT

Video system:

625 lines, 50 fields

External controls

Controls: BRIGHT, CONTRAST, PEAKING

Switches: TALLY HIGH/OFF/LOW, ZEBRA ON/OFF

[ACCESSORIES]

- Battery holder (already installed on unit) for Anton Bauer products
- Microphone
- Tripod plate

[RELATED EQUIPMENT]

Power supply-related products

Battery packs:

AU-BP402, AJ-BP490

Battery chargers:

AJ-B425 (for charging the AU-BP402 battery pack)

AJ-B450 (for charging the AU-BP402 and the AU-BP490 battery pack)

Battery case:

AU-M402H

AC adapter:

AJ-B75

Audio products

Microphone kit:

AJ-MC700

Microphone holder:

AJ-MH700

Wireless mic receiver:

WX-RJ700

Camera attachment:

WX-ZJ770

Maintenance products

Cleaning tape:

AY-DVCL

Soft carrying case:

AJ-SC900

Rain cover:

SHAN-RC700

Shoulder strap:

VFC2588 (service part)

SAFETY PRECAUTIONS

GENERAL GUIDELINES

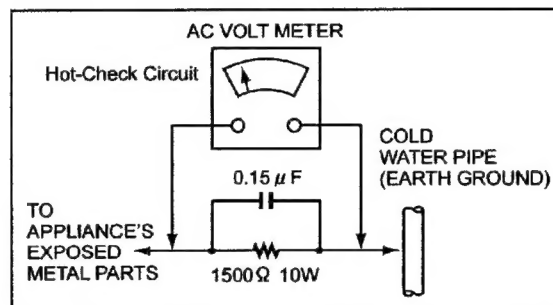
1. When servicing, observe the original lead dress. If a short / circuit is found, replace all parts which have been over-heated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as

- insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. The resistance value must be more than $5M \Omega$.

Figure1



LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet. / Do not use an isolation transformer for this check.
2. Connect a 1.5k Ω , 10W resistor, in parallel with a 0.15 μF capacitor, between each exposed metallic part on the set an a good earth ground such as a water pipe, as shown in Figure1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverses the AC plug in the AC outlet repeat each of the above measurements.
6. The potential at any point should not exceed 0.15 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used

and observe all other safety precautions.

- 8. Minimize bodily motions when handling unpacked replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).**

X-RADIATION

WARNING

- 1. The potential source of X-radiation in EVF sets is the High Voltage section and the picture tube.**
- 2. When using a picture tube test jig for service, ensure that jig is capable of handling 10kV without causing x-radiation.**

Note :

It is important to use an accurate periodically calibrated high voltage meter.

- 3. Measure the High Voltage. The meter (electric type) reading should indicate 2.5kV, 0.15kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure. To prevent an x-radiation possibility, it is essential to use the specified picture tube.**



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER SERVICEABLE PARTS INSIDE.
REFER TO SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (service) instructions in the literature accompanying the appliance.

CAUTION:

Do not install or place this unit in a bookcase, built-in cabinet or in another confined space in order to keep well ventilated condition. Ensure that curtains and any other materials do not obstruct the ventilation condition to prevent risk of electric shock or fire hazard due to overheating.

WARNING:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

FCC Note:

This device complies with Part 15 of the FCC Rules. To assure continued compliance follow the attached installation instructions and do not make any unauthorized modifications.

This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Replace battery with part No. VL3032/1GUF only.
Use of another battery may present a risk of fire or explosion.
Caution—Battery may explode if mistreated.
Do not recharge, disassemble or dispose of in fire.

1. Service Menu

1-1. Method of Displaying Service Menu Main

Page

Under the selfing WHITE BAL SW to "PRST" side and OUT PUT SW to "BAR" side, by pressing MENU SW while turning ON AWB SW the following menu is displayed on the view finder.

The method of changing the setting, selecting the items, and switching the menu page is same as that for User menu.

1-1-1. MAIN menu

```
→ NEXT **** SERVICE ****  
FLARE/GAMMA..  
WHAITE SEADING..  
DEFECT COMPENSATION  
VTR SERVICE 1/2..  
VTR SERVICE 2/2..  
INITIALIZE..  
EVR DATA..  
ERROR LOG..  
DIF STTUS..  
SERVICE VERSION..  
FACTORY INITIALIZE..  
SOFT REVISION : VO.0001a
```

Each item in the MAIN menu is the index to open the SUB menu of the item.

1-1-2. SUB menu [FLARE/GAMMA]

```
→ ▲ < FLARE/GAMMA >  
  
R FLARE      :100  
G FLARE      :100  
B FLARE      :100  
R GAMMA      :+00  
B GAMMA      :+00  
R GAIN :+00  
B GAIN :+00  
WITE CLIP    :105%
```

Menu contents [FLARE/GAMMA]

Item	Variable Range	Initial value	Content
R FLARE	-128~+127	+00	Varying Rch flare
G FLARE	-128~+127	+00	Varying Gch flare
B FLARE	-128~+127	+00	Varying Bch flare
R GAMMA	-15~+15	+00	Varying Rch gamma
B GAMMA	-15~+15	+00	Varying Bch gamma
R GAIN	-30~+30	+00	Varying Rch gain
G GAIN	-30~+30	+00	Varying Bch gain

1-1-3. SUB menu [WHITE SHADING]

```
→ ▲ < WHITE SHADING >  
  
WHITE SHADING:READY
```

Menu contents [WHITE SHADING]

Item	Content
WHITE SHADING	Starting AUTO WHITE SHADING

1-1-4. SUB menu [VTR SERVICE 1/2]

```
→ ▲ < VTR SERVICE 1/2 >  
  
CONCEAL      :ON  
INEER ECC    :ON  
OUTER ECC    :ON  
VITERVI      :ON  
BER ADJ      :ON  
BER SPEED    :SLOW  
BER RESULT    :2.7 3.4  
AUTO EQ      :ON  
AUTO ADJ     :OFF
```

Menu contents [VTR SERVICE 1/2]

Item	Variable range	Initial value	Content
CONCEAL	ON/OFF	ON	Concealment
INEER ECC	ON/OFF	ON	Inner error correction
OUTER ECC	ON/OFF	ON	Outer error correction
VITERVI	ON/OFF	ON	Viterbi detection/decoding
BER ADJ	ON/OFF	OFF	Error rate detection
BER SPEED	SLOW :60 frames FAST :10 frames	SLOW	Error rate detection mode
BER RESULT	Lch/Rch	-----	Switching error rate display
AUTO EQ	ON/OFF	ON	AUTO EQ
AUTO ADJ	ON/OFF	OFF	Automatic Adjustment of equalizer

Menu contents [VTR SERVICE 2/2]

Item	Variable range	Initial Value	Content
T TORQUE	+ 000	-----	T-side reel torque adjustment
S TORQUE	+ 000	-----	S-side reel torque adjustment
PG SHIFT	READY/ ACTIVE/ OK	-----	PGMM adjustment
HSW_A_RIZE	0~4096	1565	Display of PGMM adjustment Result
HSW_A_FALL	0~4096	1565	Display of PGMM adjustment Result
PR GAIN	-128~ +128	0	ATF gain adjustment
PR LIN	OFF/ON	OFF	ATF linearity
T/S PHOTO	-128~ +128	0.0V~ 3.3V	Terminal photo-level display

1-1-5. SUB menu [VTR SERVICE 2/2]

→ ▲ < VTR SERVICE 2/2 >	
T TORQUE	:0
S TORQUE	:0
PG SHIFT	:READY
HSW_A_RIZE	:1564
HSW_A_FALL	:1564
RP GAIN	:-40
RP LIN	:OFF
T/S PHOTO	:T0.0V/S0.0V

1-1-6. SUB menu [INITIALIZE]

→ ▲ < INITIALIZE >	
DRUM RUN RESET	:READY
THREADING RESET	:READY

Menu contents [INITIALIZE]

Item	Content
DRUM RUN RESET	Initializing DRUM RUN of hour meter
THREADING RESET	Initializing THREADING of hour meter

1-1-7. SUB menu [EVR DATA]

→ ▲< EVR DATA >			
(01)XX	(02)XX	(03)XX	(04)XX
(05)XX	(06)XX	(07)XX	(08)XX
(09)XX	(0A)XX	(0B)XX	(0C)XX
(0D)XX	(0E)XX	(0F)XX	(10)XX
(11)XX	(12)XX	(13)XX	(14)XX
(15)XX	(16)XX	(17)XX	(18)XX
(19)XX	(1A)XX	(1B)XX	(1C)XX
(1D)XX	(1E)XX	(1F)XX	(20)XX
(21)XX	(22)XX	(23)XX	(24)XX
D/A ADDRESS :01			
D/A DATA :XX			

Menu contents [EVR DATA]

Item	Content
D/A ADDRESS	Table of EVR adjustment values
D/A DATA	Table of EVR adjustment values

1-1-8. SUB menu [ERROR LOG]

→ ▲< ERROR LOG >	
FILE No.	:1
LOG ALL CLEAR	:OFF
ERR CODE/SEQ	:E-00 00
DATE	:2001.01.01
TIME	:12:34:56
OPE TIME	:000000Hr
TAPE TOTAL	:200min
TAPE REMAIN	:100min
BATTERY	:1
OBJ/MODE	000012:34:50
000012:34:52	000012:34:50
000012:34:56	000012:34:55

Menu contents [ERROR LOG]

Item	Variable range	Content
FILE No.	1~5/OFF	File No.
LOG ALL CLAR	ON/OFF	ON: Deleting LOG DATA
ERR CODE /SEQ	E-00 00	Error code, Sequence No.
DATE	2001.01.01	YY. MM. DD
TIME	12:34:56	Time
OPE TIME	000010Hr	Operating time
TAPE TOTAL	200min	Total length of tape
TAPE REMAIN	100min	Remaining amount of tape

BATTERY	1:Normal 1-F:Near End 7-F:End	The amount of battery rest
OBJ/MODE	000012:34:50	Double figures: OBJECT Double figures: MODE Double figures: Time of occurrence

1-1-9. SUB menu [DIF STATUS]

→ ▲< DIF STATUS >	
NODE CNT	:00
MY ID	:00
ROOT ID	:00
IRM ID	:00
IN CH	:00
OUT CH	:00
STATUS	:*****
DIF	:*****
N/P	:*****
VIDEO	:*****
AUDIO	:*****
NODE UNI ID	:*****

Menu contents [DIF STATUS]

Item	Variable range	Content
NODE CNT	1~63	Number of connections of local path
MY ID	1~63	MY PHY ID
ROOT ID	1~63	ROOT PHY ID
IRM ID	1~63	Isochronous Resource Manager PHY ID
IN CH	0~63	Current input CH
OUT CH	0~63	Current input CH
STATUS	INPUT OK	Receiving packets normally
	NO PACKET	No packets existing
	INPUT NG	Receiving packets with Problems
	OUTPUT OK	Transmitting packets normally
	OUTPUT NG	Transmission disabled in Transmitting status
DIF	DIF STOP	DIF STOP status
	STOP	DIF STOP status
	ERR1	Unclear format CIP header
	ERR2	Mismatching between CIP header and AP-ID

Item	Variable range	Content
N/P	NTSC	NTSC
	PAL	PAL
	STOP	DIF STOP status
	ERR	Mismatched 50/60 of CIP-H, VS, or AS
VIDEO	OK	Recordable format
	STOP	DIF STOP status
	NG	Format unrecordable of VS and VSC
	ERR	Unclear or mismatched VS or VSC
AUDIO	OK	Recordable format
	UNLOCK	Receiving data LF = 1
	STOP	DIF STOP data
	ERROR	Unclear or mismatched AS or ASC
	NG	Format unrecordable of AS or ASC
NODE UNIQUE ID	HEX 8	MY NODE UNIQUE ID

1-1-10. SUB menu [SERVICE VERSION]

→ ▲< SERVICE VERSION >
VTR SOFT REV. :V*.****a
E600 Ver :AWE***

Menu Contents [SERVICE VERSION]

Item	Variable range	Content
VTR SOFT REV.	V*.****a	
E600 Ver	AWE***	

1-1-11. SUB menu [FACTORY INITIALIZE]

→ ▲< FACTORY INITIALIZE >
SYSTEM FULL INIT : READY

Menu Contents [FACTORY INITIALIZE]

Item	Content
SYSTEM FULL INIT	Initializing all system data

2. Method of Checking Error Rate

The error rate with this unit can be checked in the following steps:

- (1) Set the following items in SUB menu [VTR SERVICE 1/2] as follows:

Setting	
CONCEAL	OFF
INNER ECC	OFF
OUTER ECC	OFF
BAR ADJ	ON

- (2) Measure BAR RESULT in SUB menu [VTR SERVICE 2/2] under the following operating conditions:

Measuring condition	Error rate spec.	
	L ch	R ch
DV color bar alignment tape Playback	3.5 min.	3.5 min.
Camera color bar self recording/playback		

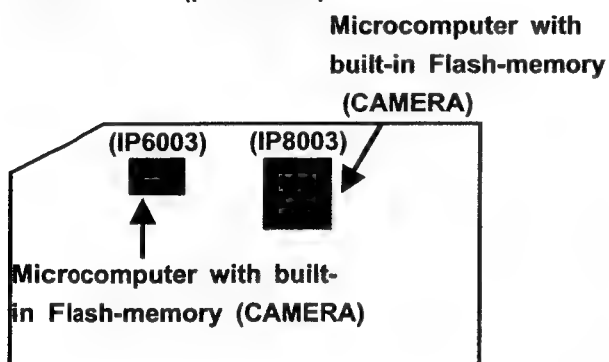
(Caution) If the measured BAR RESULT is out of specification (3.5 or less), the error rate display blinks.

3. Method of Displaying Software Version and Hour Meter

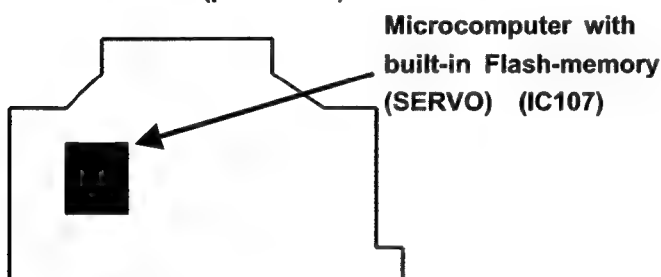
Method of Updating Software

MAIN P.C.B. and SERVO P.C.B. (VTR SYSCON, SERVO, and CAMERA) have the microcomputers with built-in flash memory. To update the microcomputer software version, flash memory version up software for each is used.

MAIN P.C.B. (parts side)



SERVO P.C.B. (parts side)



3-1. Preparation for the updating

3-1-1. Parts needed for writing the flash memories

Flash memory version up software for the updating

System control microcomputer → "VFK1248E"

Servo control microcomputer → "VFK1503"

Camera control microcomputer → "FWC2"

Personal computer compliant to WINDOWS 95/98

RS-232C cable (9-pin cross cable)

3-1-2. Installing the flash memory version up software for the updating

Make a copy of the following files under an arbitrary directory of the microcomputer compliant to WINDOW S 95/98: (After the files have been executed, "INI" files are created under the same directory as the program files. The "INI" files can be either left as they are or deleted.)

Program files

System control microcomputer → "VSI2312E.EXE"

Servo control microcomputer → "fw103u.exe"

(four kinds of software) "VSIXXXX.obf"

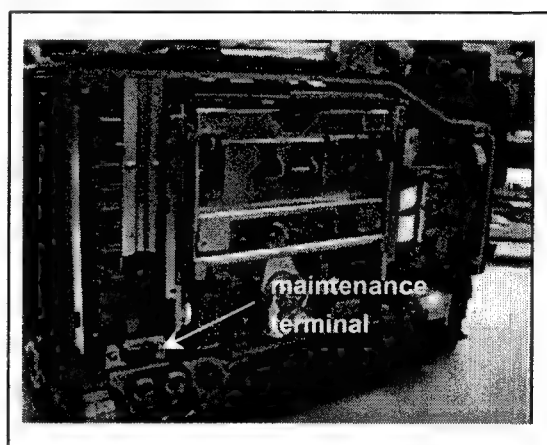
"VSIXXXX.bat"

"VSIXXXX.exe"

Camera control microcomputer → "FWC2.exe"

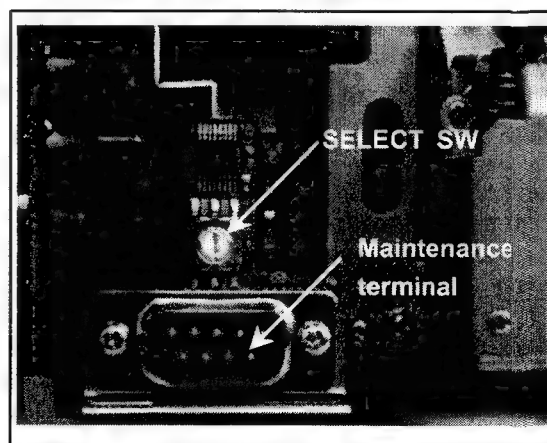
3-1-3. Cable connection

Turn off the power for the main unit, and connect the maintenance terminal on the lateral side of the main unit and the microcomputer with the RS-232C cable (9-pin cross cable).



3-1-4. Setting WRITE SELECT SW

Change the setting of WRITE SELECT SW above the maintenance terminal according to the flash memory to be written.



Number	Name	Functional description
0	NORMAL	Connection OFF position
1	CAMERA WR 1	Writing camera software (1)

2	CAMERA WR 2	Writing camera software (2)
3	SERVO WR	Writing servo software
4	VTR RESERVE	(VTR reserve)
5	VTR WR	VTR system control software
6	SERVO RESERVR	(Servo reserve)
7~9	NC	Not used.

(Caution)

In the normal state (after the writing has been finished and power turned OFF), set the position to "0". Do not change the setting of the SELECT SW during the normal operation.

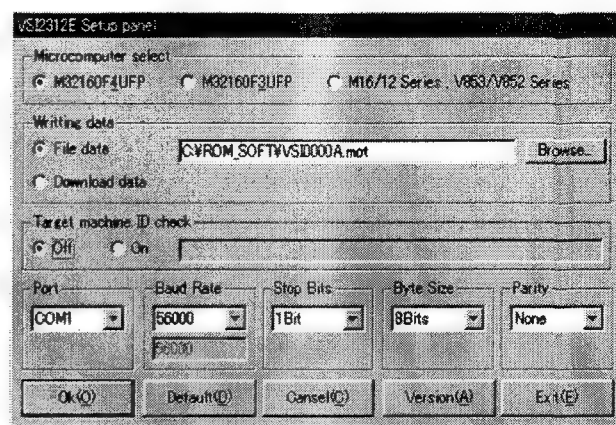
Do not turn off the power or disconnect the cable while writing the software.

Do not change the setting of the SW to other than the position 1 and 2 while writing the software.

Do not change the setting of the SW to other than the specified set position while writing the servo control software.

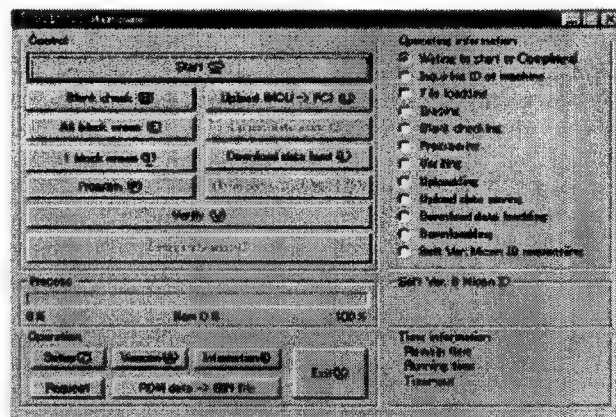
3-2. Procedure of writing VTR system control software

1. Make sure that the power for the main unit is turned OFF.
2. Change the setting of the WRITE SELECT SW to "5".
3. Connect the personal computer and the main unit with the RS-232C cable (9-pin cross cable).
4. Turn ON the power for the main unit.
5. Press EJECT button and make sure that the cassette does not lift up at that time. (If the cassette lifts up, check whether the cable is properly connected and the SW is set to the right position.)
6. Start the flash-memory update software "VS12312E.EXE". (Double-click the program file "VS12312E.EXE" that was copied under the arbitrary directory.)
7. After the program file has up, Setup Panel window opens.



8. Make the following settings in the "Setup Panel" window:

- Microcomputer Select → "M32160F4UP"
- Writing data → "File data"
- (By using Browse..., select a writing software, MOT file.)
- Port → "232C connection port"
- Baud Rate → "56000"
- Stop Bits → "1Bit"
- Byte Size → "8Bits"
- Parity → "None"



9. Click Start(S) button on the Main Panel window. (If this process is to be stopped, click Exit(X) button. When returning to Setup Panel window, click Setup(Z) button.)
10. After the flash memory has been erased, the new software is written in. During the writing process, the proceeding of the writing can be confirmed in the Process indicator. If the writing does not proceed for any reason, click Emergency stop(C) button to stop the processing, and check the connection and the settings again.
11. When the flash memory has been erased and written in, the Process indicator reaches 100%, and "Waiting to Start or Completed" message in the "Operating information" section is checked.

12. Turn OFF the power for the main unit, disconnect the cable, and return the WRITE SELECT SW to its original position "0".
13. Confirm that the version of the new software is indicated with DIAG menu.

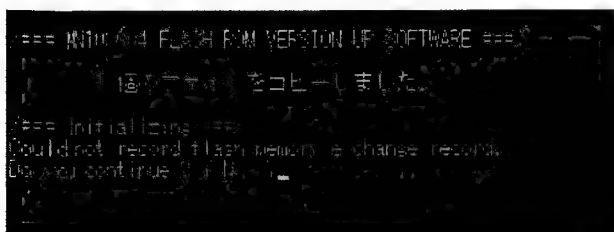
3-3. Procedure of writing SERVO control software

1. Make sure that the power for the main unit is turned OFF.
2. Change the setting of the WRITE SELECT SW to "3".
3. Connect the personal computer and the main unit with the RS-232C cable (9-pin cross cable).
4. Turn ON the power for the main unit.
5. Press EJECT button and make sure that the cassette does not lift up at that time. (If the cassette lifts up, check whether the cable is properly connected and the SW is set to the right position.)
6. Copy the servo version up software (VFK1503) and the new servo microcomputer software into the same directory of the personal computer. (The following four types of software.)

Version up software (VFK1503) "fw103u.exe"

Servo microcomputer software "vsiXXXX.obf"
"vsiXXXX.bat"
"vsiXXXXex"

7. Start the flash-memory update software "VSIXXXX.bat".
8. When the following window appears, type "Y" and click ENTER button. (While the program is being written in, the proceeding is indicated on the personal computer screen.)



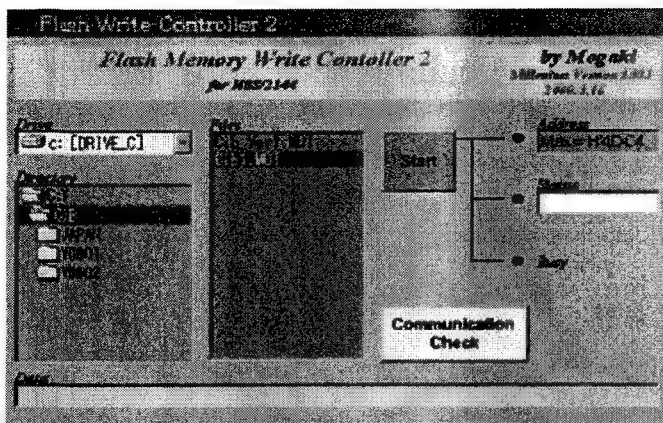
9. When the following message appears, the writing has been completed.



10. Turn OFF the power for the main unit, disconnect the cable, and return the WRITE SELECT SW to its original position "0".
11. Confirm that the version of the new software is indicated with DIAG menu.

3-4. Procedure of writing Camera control software

1. Make sure that the power for the main unit is turned OFF.
2. Change the setting of the WRITE SELECT SW to "1".
3. Connect the personal computer and the main unit with the RS-232C cable (9-pin cross cable).
4. Turn ON the power for the main unit.
5. Press EJECT button and make sure that the cassette does not lift up at that time. (If the cassette lifts up, check whether the cable is properly connected and the SW is set to the right position.)
6. Start the flash-memory update software "FWC2.exe".
7. After the program file has started up, "Flash Write Controller 2" window opens.
8. Select a write software, MOT file, and read it in. After the file has been read in, Start button is activated.



4. Never turn off the power for the personal computer or the camcorder after starting the writing.
5. If any ERROR appears, click the writing software with the mouse to bring it forward without making haste, and click Start button. Never exit the writing software.

9. Clicking "Communication Check" button changes the color from yellow to green and the remark changes to "Check O.K". Now, the preparation for writing the software has been completed. (If the color and the remark do not change, check the hardware. Because another communication software may be using the communication port, exit all the other communication software.)
10. After the "Check O.K." remark has appeared, turn the WRITE SELECT SW to "2", and click Start button to start the writing. The remarks change during the writing as follows:

Address:	Indicates the write address during the writing at green.
Status:	Indicates the writing status. "Go" means the data reception is possible.
Busy:	If the data transmission stops for a long time, Busy becomes yellow.
Data:	Data transmitted in the serial communication during the writing

11. When the writing has completed, "Write O.K." message appears at green in the Status fields, and "Check O.K." button changes to yellow.
12. Turn OFF the power for the main unit, disconnect the cable, and return the WRITE SELECT SW to its original position "0".
13. Confirm that the version of the new software is indicated with DIAG menu.

(Cautions)

1. Turn off the screen saver of the personal computer.
2. Exit the software in which messages appear at the foremost of the screen (E-mail arrival, and the like).
3. Do not touch the personal computer or the camcorder after starting the writing.

4. PLD Version Upgrade Method

The MAIN P.C.Board has a PLD (Programmable Logic Device, Made by ALTERA™). For the Software version up, connect the “CPLD WRITER (VFK1590)” to the tool connection connector and use the “Version Upgrade Software” according to the following procedure.

4-1. Preparation

Following items are required for Version upgrade.

ITEM	REMARK
CPLD WRITER	VFK1590 (New)
D-sub 25pin-25pin Cable	Straight (Male - Female), Length : Within 1meter
Version Upgrade Software	MAX+plus II Software (Please Download from www.altera.com/support/devices/programing/sup-asap2.html)
Version Upgrade Data	pof File (“vsi xxxx” include it)
Personal Computer	WINDOWS 95® or 98®

4-2. Hooking-up

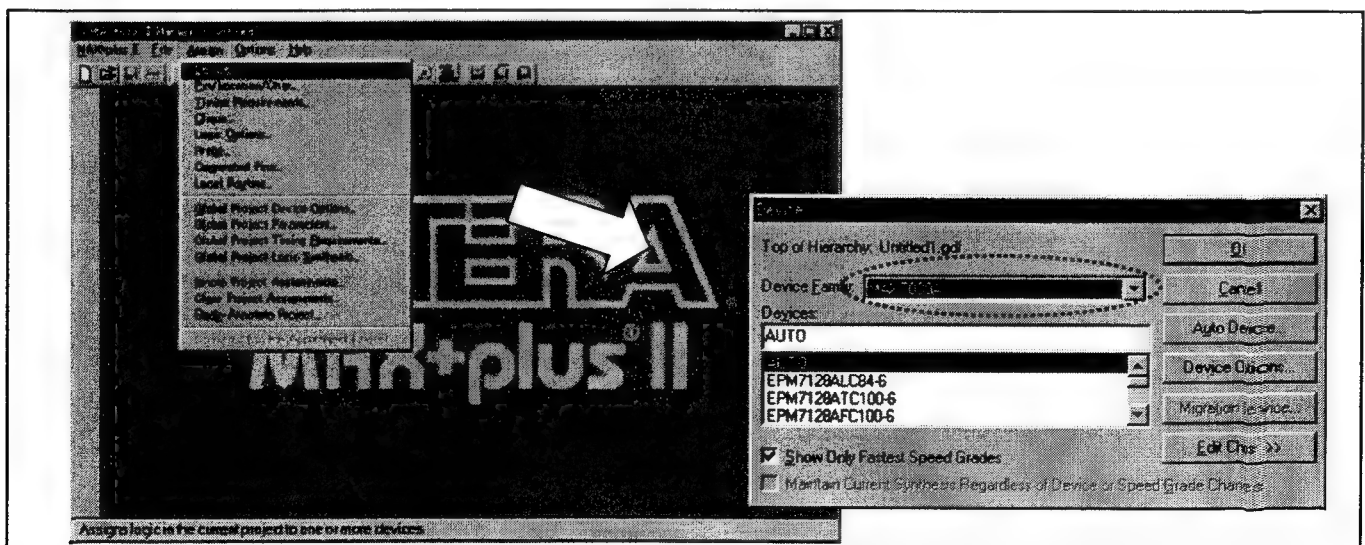
1. Connect the D-sub Cable between CN201 connector of the CPLD WRITER and Personal Computer (Printer port).
2. Connect the CPLD WRITER Cable between P19 connector of MAIN P.C.Board and P201 connector of CPLD WRITER.
3. Turn on Camcorder unit and Personal Computer (Windows mode).

4-3. Boot up the Ver. Up Software and Ver. up Procedure

1. Boot up the “MAX+plus II 9.6 Programmer Only” Software from start menu of Windows.
2. Implement the initial setting of Version Up software as shown below.

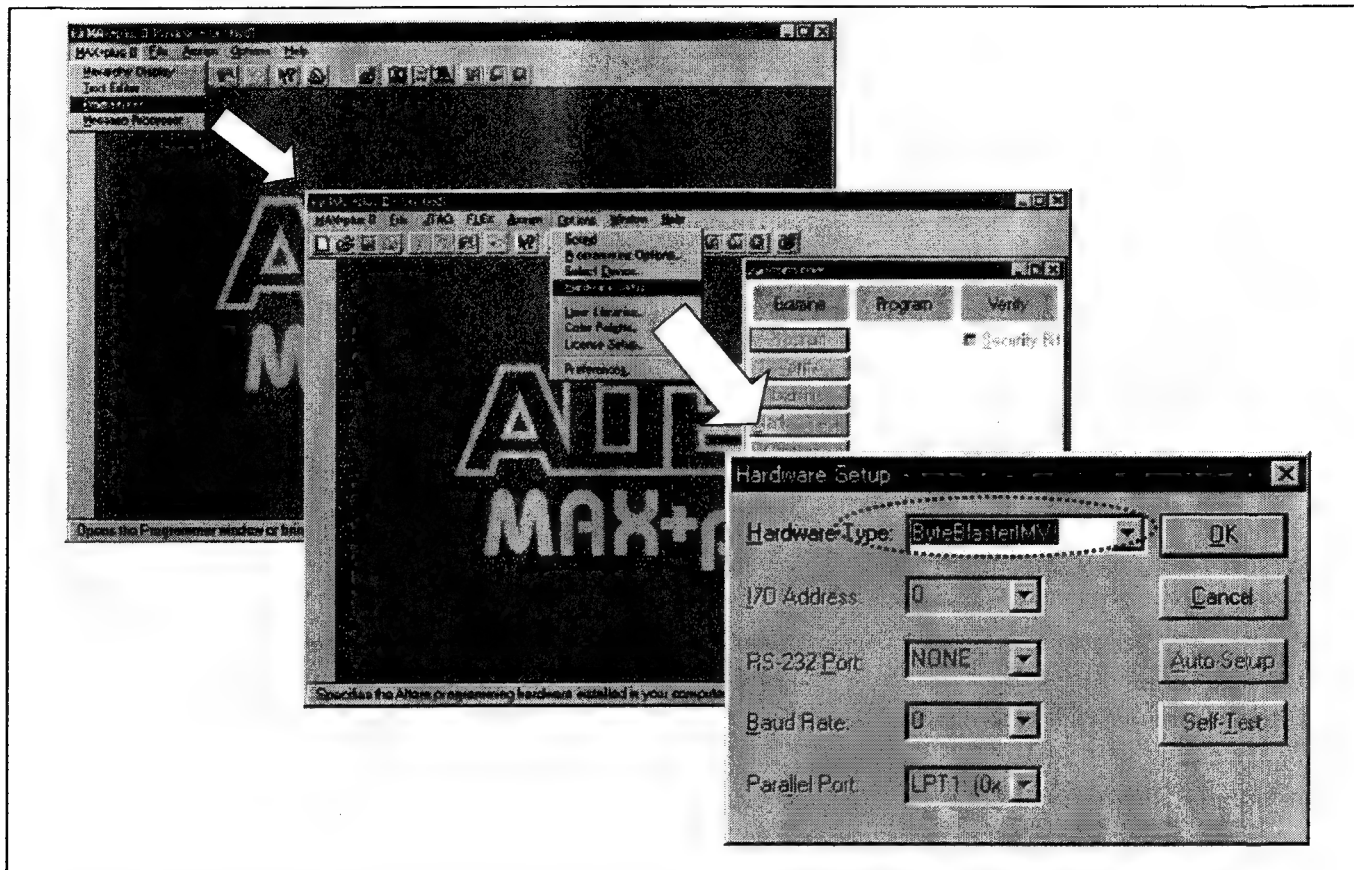
PLD Device Setting

- a) On main window, select tab “Assign” and then “Device”
- b) At device dialog, set the Device Family to “MAX7000A” (Devices item : AUTO)

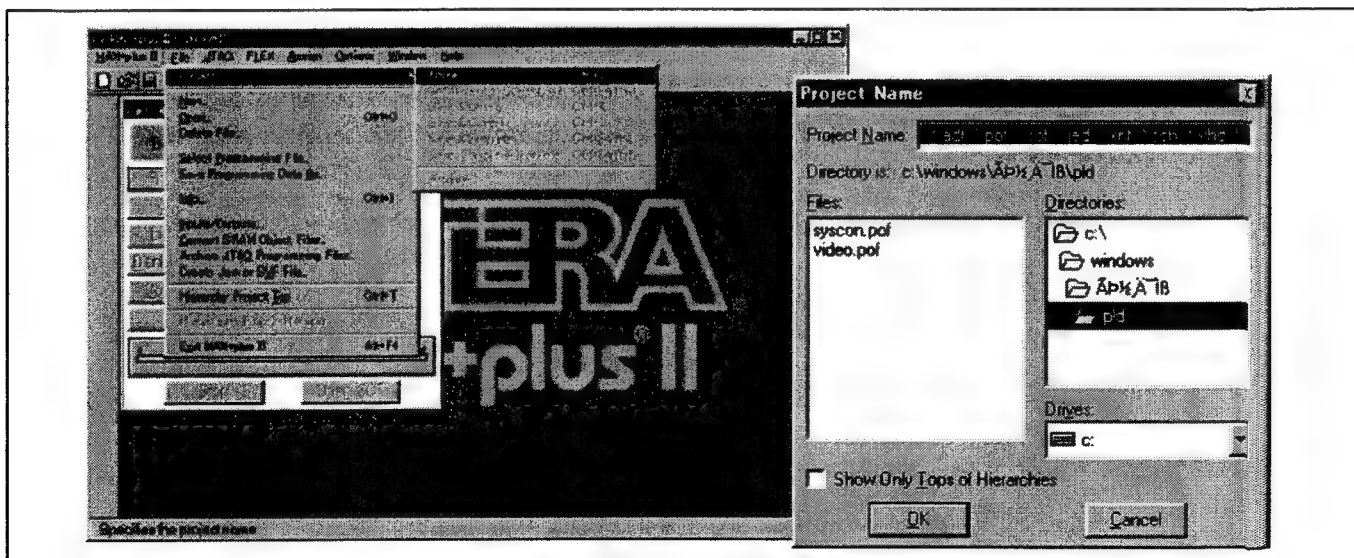


Output Port setting

- On main window, Select tab "MAX+plus II" and then "Programmer"
- On main window (Programmer window is displayed), select tab "Option" and then "Hardware Setup"
- On Hardware Setup dialog, set the "Hardware Type" to "ByteBlaster (MV)".



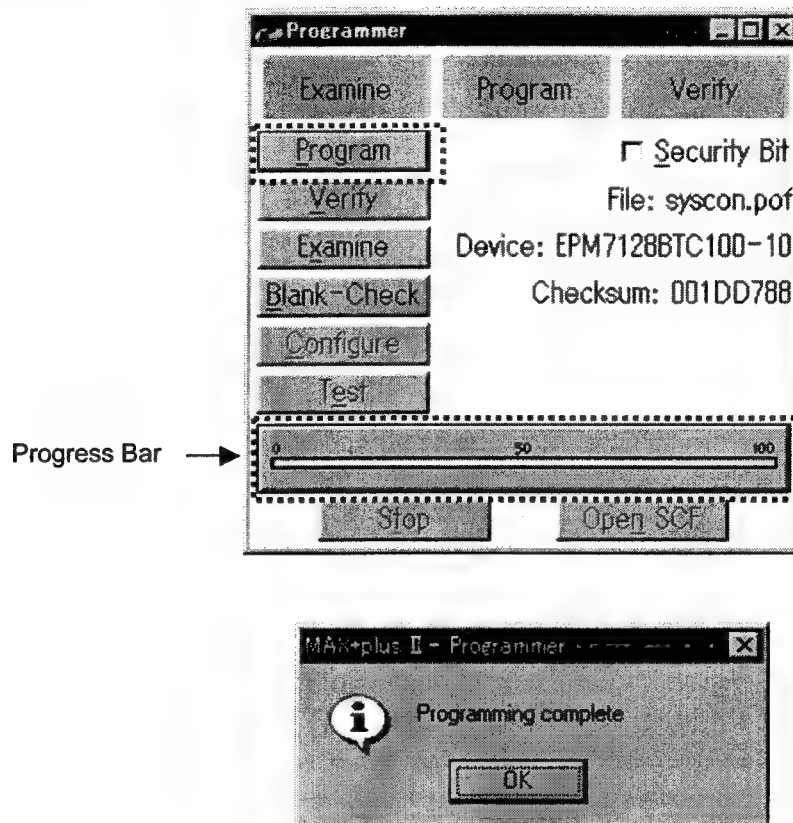
- On main window, select tab "File", "Project" and then "Name"
- On Dialog of Project Name, select the "pof format file" (The Project file) and then press "OK" button.



5. Press the "Program button" on Programmer dialog.

* When Progress Bar reaches at point of "100", the message appears "Programming Complete", then PLD version upgrade is completed.

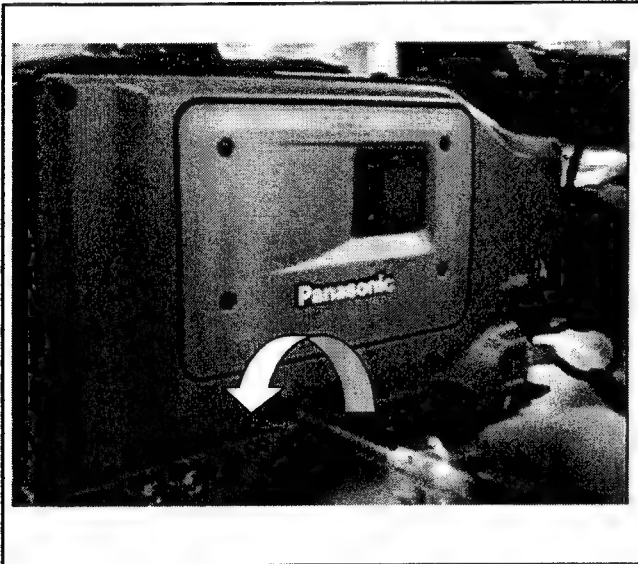
6. Click "OK" button on the "Programming complete" message Dialog.



5. Emergency Eject

If you can not take out the cassette even though you press EJECT button, you can take out the cassette by pushing and turning EMERGENCY screw with a screwdriver or the like.

1. Turn OFF the power.
2. Remove the rubber cap and insert a Phillips Screwdriver to the cross-shaped recess of the EMERGENCY screw (red) as shown in the figure below:



4. While pushing the EMERGENCY screw with the screwdriver, turn the screw counterclockwise until the cassette is ejected.
 - The screw must be turned about 20 turns before the tape unloading begins.
 - The screw must be turned about 90 turns from the beginning of the tape unloading to the cassette eject.
4. Take out the cassette.
5. Attach the rubber cap again.

<Caution>

- Do not turn the EMERGENCY screw except in emergency.
- Do not turn the EMERGENCY screw clockwise. Also, do not turn the screw farther after the cassette has been ejected. Otherwise, the mechanism may be broken down.
- After the cassette has been ejected, the cassette holder can not be locked even if it is pushed to close. Turn on the power to reset the action of the mechanism, and then close the cassette holder.
- Click sounds occur during the time when the EMERGENCY screw is turned. These sounds occur while the reel is driven and they are not abnormal.

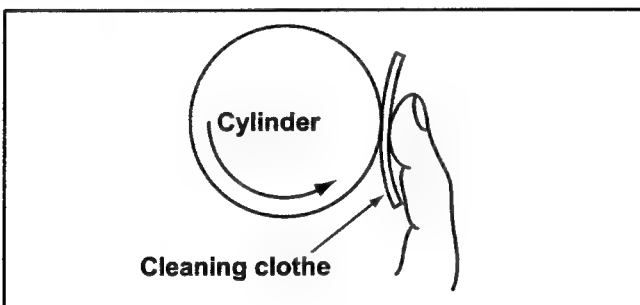
6. Cleaning Method

Cautions: Turn off the power while doing cleaning.

As a cleaning liquid use ethanol (99% or more) or *EE cleaner made by Olympus Corporation.

6-1. Cleaning video heads

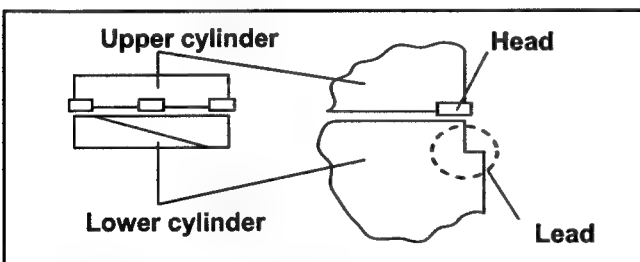
Lightly press a cleaning cloth damped with a cleaning liquid onto the cylinder, and rotate the cylinder counterclockwise. Repeat this several times until no more dirt sticks to the cleaning cloth. Finally, wipe the cylinder with a new dry cleaning cloth. Do not touch the cylinder with bare hands.



6-2. Cleaning drum lead

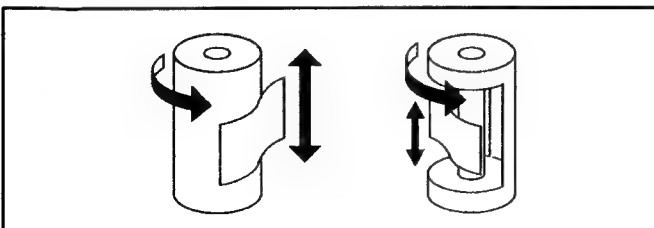
Remove the dust stuck to the drum lead with something like a tooth pick.

Do not hit the video head tips with the tooth pick or the like.



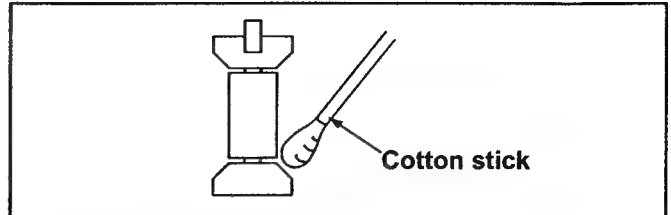
6-3. Cleaning pinch roller and capstan

Wipe the pinch roller and capstan with a cloth damped with a cleaning liquid.



6-4. Cleaning posts

Wind a dry cleaning cloth round a thin stick and wipe the posts with the stick. As far as the fixed posts are concerned, at first wipe them with a cleaning cloth damped with a cleaning liquid, and then wipe with a dry cleaning cloth.



* EE cleaner made by Olympus Chemitech Corporation

Delivery agent: camera mass sales stores and electrical equipment mass retailers

1.Maintenance Parts

1-1. Maintenance Schedule

NO.	Name	Part Number	Using Hours(hrs)		
			1000 2000 4000 5000	3000	6000
1	Tape Path Cleaning	-----	△ Clean the Tape Path at each 500 hours		
2	Cylinder Unit	VEG1561	●	●	◎
3	Pinch Arm Unit	VXL2835	● *1	● *1	◎
4	Cleaning Arm Unit	VXL3027	●	●	◎
5	S Reel(Rotor Unit)	VEM0658		●	◎
6	T Reel(Rotor Unit)	VEM0659		●	◎
7	S Brake Arm Unit	VXL3062		●	◎
8	T Brake Arm Unit	VXL3063		●	◎
9	Thrust Screw Unit	VXQ0556		●	◎
10	Mode SW Unit	VES0918C		●	◎
---	Mech Chassis Unit	VXY1600			●

Note : Hours of Use are based on the head rotation hours.

Hours of Use are recommendation. It may depend on temperature,humidity or dusty.

Hours of Use are listed as the reference of maintenance.They do not mean guarantee hours.

Symbol	Maintenance	Remark
●	Replacement	
◎	Replacement	These parts included in Mech Chassis Unit
*	Greasing	Wipe the old grease and apply new grease
△	Greasing	This mark means cleaning is necessary

2. ALIGNMENT TAPE

2-1. VFM3110EDL (PAL) (DV adjustment tape)

TIME (min.)	VIDEO		PCM AUDIO		CUE	
	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar	EQ adjustment	1,102.5KHz		-----	-----

2-2. VFM3000EDL (DV (LISTA) adjustment tape)

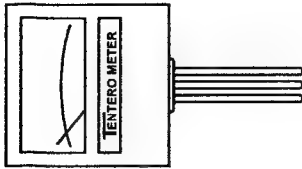

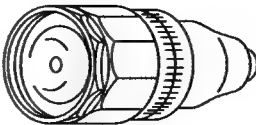



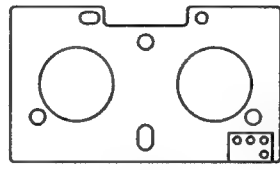
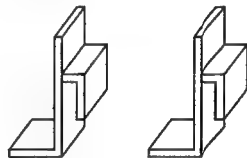
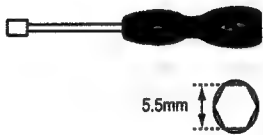
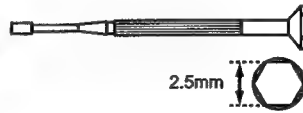
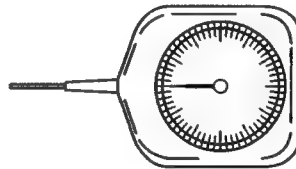






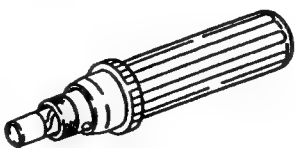
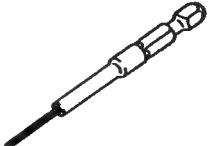

TIME (min.)	VIDEO		PCM AUDIO		CUE	
	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	LISTA signal	Adjustment of the linearity	-----	-----	-----	-----

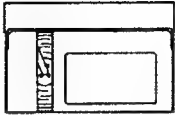
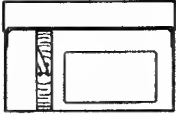

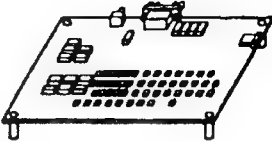
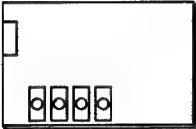
3. RECOMMENDED MEASURING INSTRUMENTS

MODEL NO. (Example)	NAME	REMARK
TSG1911 (PAL) or TG131A	Analog composite signal generator	Tectronix
1761 (op. SC) or 1781R	Waveform monitor (PAL)	
	Vector scope (PAL)	
	Oscilloscope	
	Digital voltmeter (D.V.M.)	
	Frequency counter	
	Audio analyzer	

Tool List

Fig	PART No.	JIG & EQUIPMENT	REMARK
1	VFK1145A	Back Tension Meter (T2-M30-P)	
2	VFK1149A	Post Driver	
3	VFK71A	Dial Torque Gauge (1.5cN.m)	150g
4	VFK1191A	Dial Torque Gauge (0.45cN.m)	45g
5	VFK1152	Dial Torque Gauge Adaptor	
6	VFK0357	Eccentric Screwdriver (1.5mm)	
7	VFK1692	Post Height Fixture	
8	VFK1348	Mechanical Neutral Plate (Post Height)	L Cassette
9	VFK1155	Neutral Position Tool (Gold)	
10	VFK1156	Neutral Position Tool (Black)	
11	VFK1208	Neutral Position Tool (Black w/Hole)	
12	VFK1150	Nut Driver (5.5mm)	
13	VFK1151	Nut Driver (2.5mm)	
14	VFK1188A	Dial Tension Gauge (300mN)	30g
15	VFK0948A	Check Light	
16	VFK0749	Froiral Grease (for plastic)	
17	MOR265	Morytone Grease (for metal)	
18	VFK1146	Philips Driver (Fine) (00-75)	
19	VFK1147	Philips Driver (Fine) (0-100)	
20	VFK1148	Hex. Driver (1.5mm)	
21	VFK1178	Hex. Driver (0.89mm)	
22	VFK1179	Hex. Driver (0.71mm)	
23	VFK1190	Hex. Wrench	
24	VFK1209A	Torque Driver (0.4-3Kg)	
25	VFK0912	Post Axis Driver (1.5mm)	
26	VFK1300	A/D Converter DAQ-12 (Quatech)	
27	VFM3110EDL	Alignment Tape (Color Bar)	L Cassette
28	VFM3000EDL	Alignment Tape (LISTA)	L Cassette
29	AJ-CL12LP	Cleaning Tape	SALES
30	VFK1481C	LISTA Software	
31	VFK1186	LISTA Cable	
32	VFK1409S	Measuring Board	
33	VFK1668	Remote I/F Board	

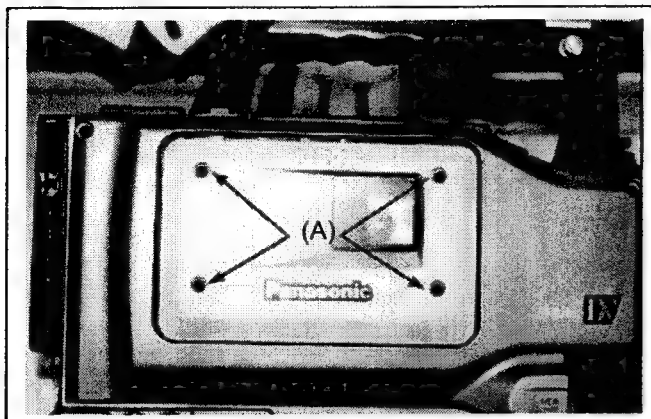
1 VFK1145A Back Tension Meter  Model : T2-M30-P	2 VFK1149A Post Driver 	3 VFK71A(150g) 4 VFK1191A(45g) Dial Torque Gauge 	5 VFK1152 Dial Torque Gauge Adaptor 
6 VFK0357(ø1.5) Eccentric Screwdriver 	7 VFK1692 Post Height Fixture 	8 VFK1348 Mechanical Neutral Plate (Post Height) 	9 VFK1155(Gold) 10 VFK1156(Black) 11 VFK1208(Black w/Hole)  (Gold) (Black)
12 VFK1150 Nut Driver (5.5mm)  5.5mm	13 VFK1151 Nut Driver (2.5mm)  2.5mm	14 VFK1188A(30g) Dial Tension Gauge 	15 VFK0948A Check Light 
16 VFK0749 Froiral Grease (for plastic) 	17 MOR265 Morytone Grease (for metal) 	18 VFK1146(00 x 75) 19 VFK1147(0 x 100) Philips Driver 	20 VFK1148(1.5mm) 21 VFK1178(0.89mm) 22 VFK1179(0.71mm) Hex. Driver 
23 VFK1190(1.5mm) Hex. Wrench 	24 VFK1209A Torque Driver (0.4-3Kg) 	25 VFK0912 Post Axis Driver (1.5mm) 	26 VFK1300 A/D Converter DAQ-12(Quatech) 

<p>27 VFM3110EDL Alignment Tape (Color Bar)</p> <p>28 VFM3000EDL Alignment Tape (LISTA)</p> 	<p>29 AJ-CL12LP Cleaning Tape</p> 	<p>30 VFK1481C LISTA Software</p> <p>31 VFK1186 TA Cable</p> 	<p>32 VFK1409S Measuring Board</p> 
<p>33 VFK1668 Remote I/F Board</p> 			

4. Disassembly

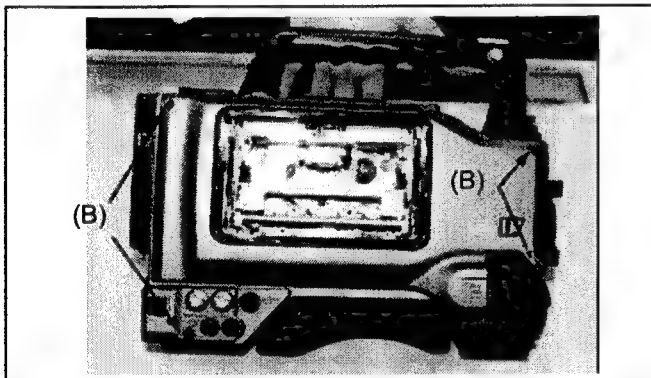
4-1. Removal of Cassette Cover

1. Unscrew the 4 screws (A) and remove the Cassette Cover.



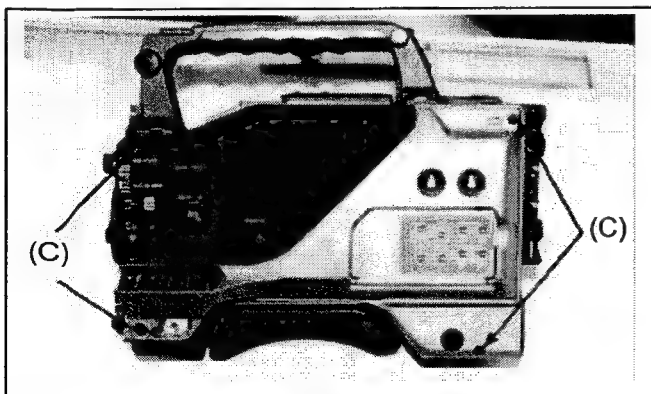
4-2. Removal of Left Side Cover

1. Unscrew the 4 screws (B) and remove the Shoulder Pad.

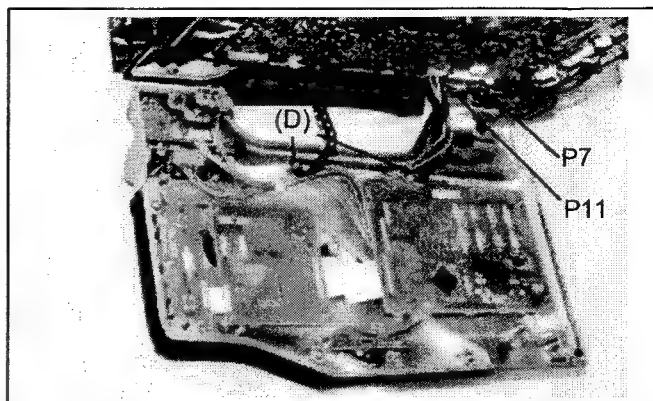


4-3. Removal of Right Side Cover

1. Unscrew the 5 screws (C).
2. Unscrew the screw (D).

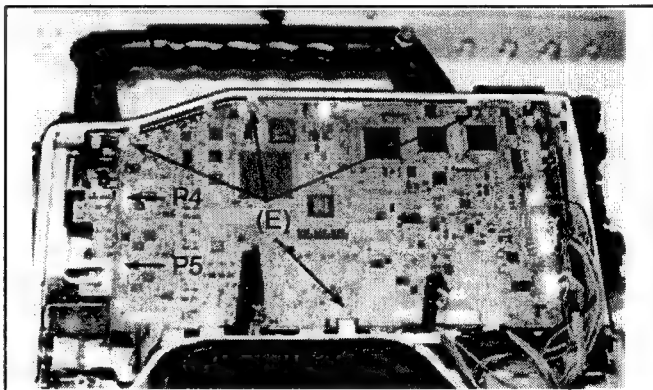


3. Disconnect the connector (P7, P11) and remove Right Side Panel.



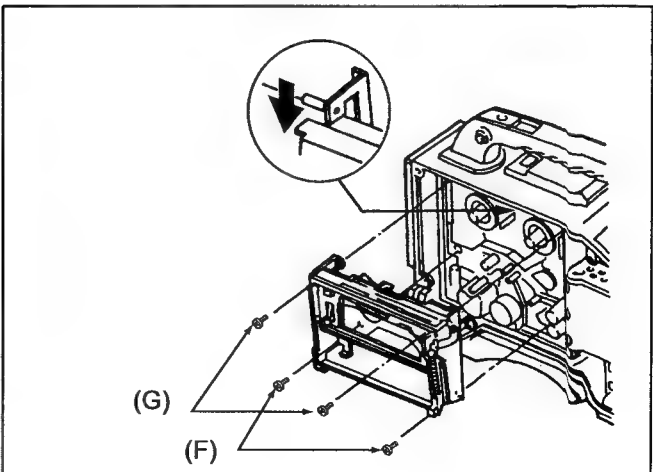
4-4. Removal of VTR MAIN C.B.A.

1. Unscrew the 4 screws (E).
2. Disconnect the connector (P3, P4) and open VTR MAIN C.B.A..



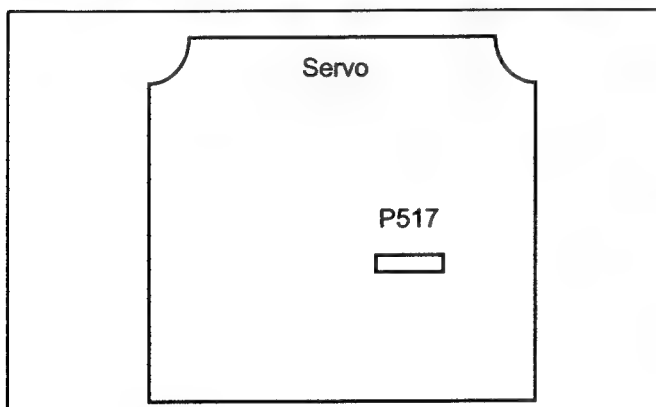
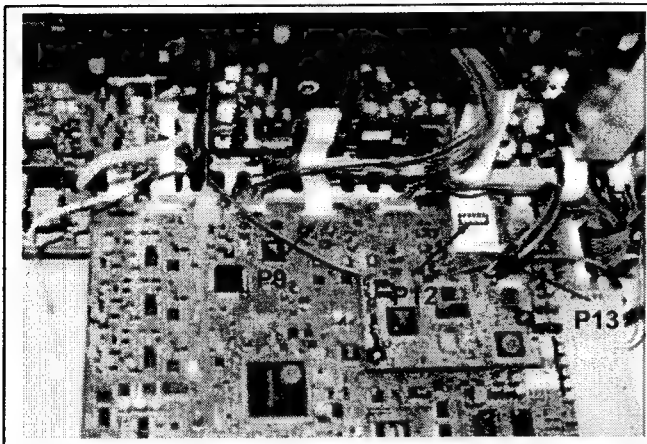
4-5. Removal of Cassette Up Unit

1. Push the Cassette Up Unit lock.
2. Unscrew the 2 screws (F) and 2 screws (G). Remove the Cassette Up Unit.

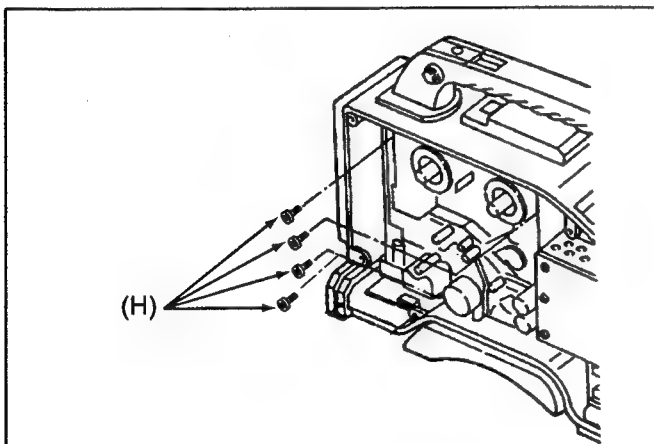


4-6. Removal of Mechanical Unit

1. Disconnect the connector (P9, P12, P13) and connector (P517).

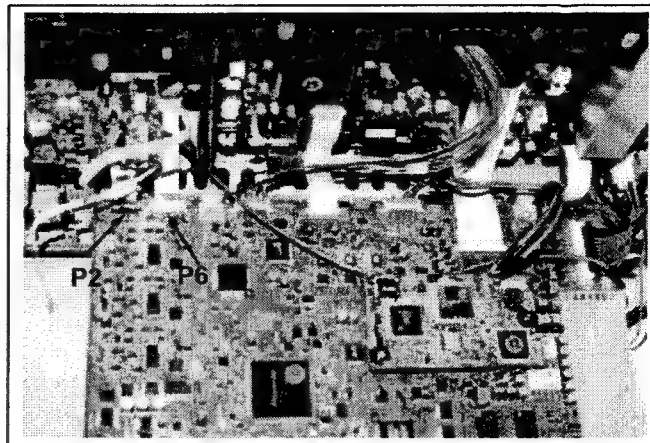


2. Unscrew the 4 screws (H) and remove the Mechanical Unit.

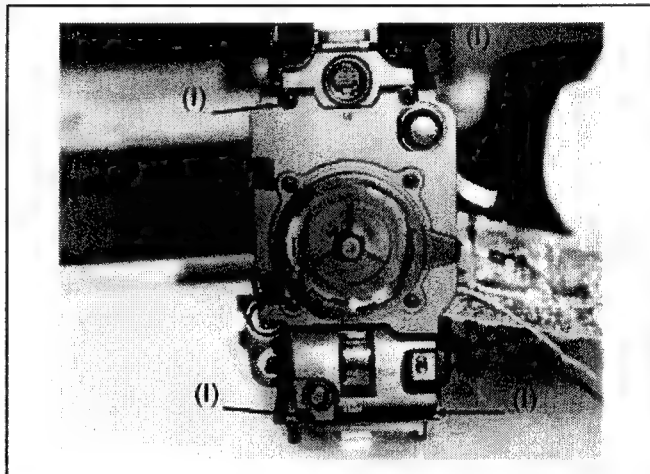


4-7. Removal of Camera Unit

1. Disconnect the connector (P2, P6).



2. Unscrew the 4 screws (I) and remove the Camera Unit.



3. Disconnect the connector (P4) and remove the Camera Unit.

Note : Assemble procedures are reverse of the disassembly procedures.

5. Mechanical Parts Replacement and Adjustment Procedure

General

When mechanical parts are replaced, Pay attention to the following notes.

1. Turn power off before replacing any parts.
2. If any adjustment is required after replacing parts, perform the required adjustments.
3. Use proper fixture and tools.
4. Make sure to clean the parts after replacement.
Also when the mechanical parts are replaced, follow the replacement procedure.

5-1. Drum Unit Replacement

(Removal of Mechanism Unit)

The "Section 4.Disassembly procedures" Item 4-1 through 4-7 by following Remove the Mechanism Unit and the RF & Servo P.C.B.

(Removal of Cylinder Unit)

1. Remove the T1 Guide and Cleaning Arm Unit (Refer to item 5-1-2).
2. Disconnect P1, P513 on the Servo P.C.B. and hold the top of the Drum Unit, then remove 3 screws and carefully pull out the Drum Unit with care not to scratch the flexible cables.

Note : Be careful for removing the flexible cable from the connector. Refer to the way to remove the connector as shown in Figure M 1.

Note : Don't touch the cylinder with a finger directly when pulling out the Drum unit.

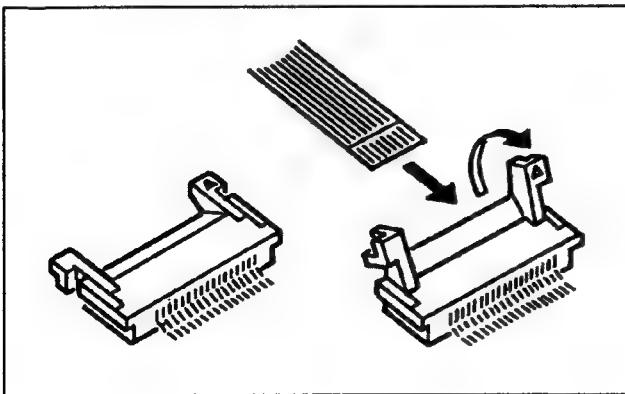


Fig.M1

(Installation)

1. Install the new Drum Unit according to the reverse procedures for removal.
2. After installing T1 Guide, T1 Guide position adjustment should be performed (Refer to item 5-1-3).

Note : When installing the Drum Unit, the pin on Mech. Chassis should match hole of Drum Unit as shown in Figure M2.

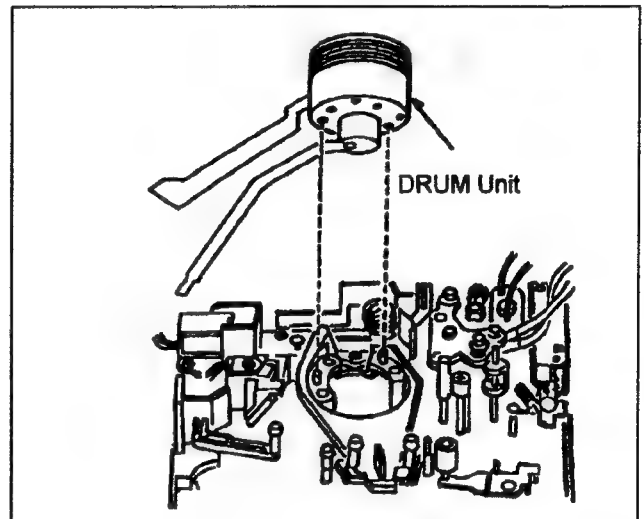


Fig.M2

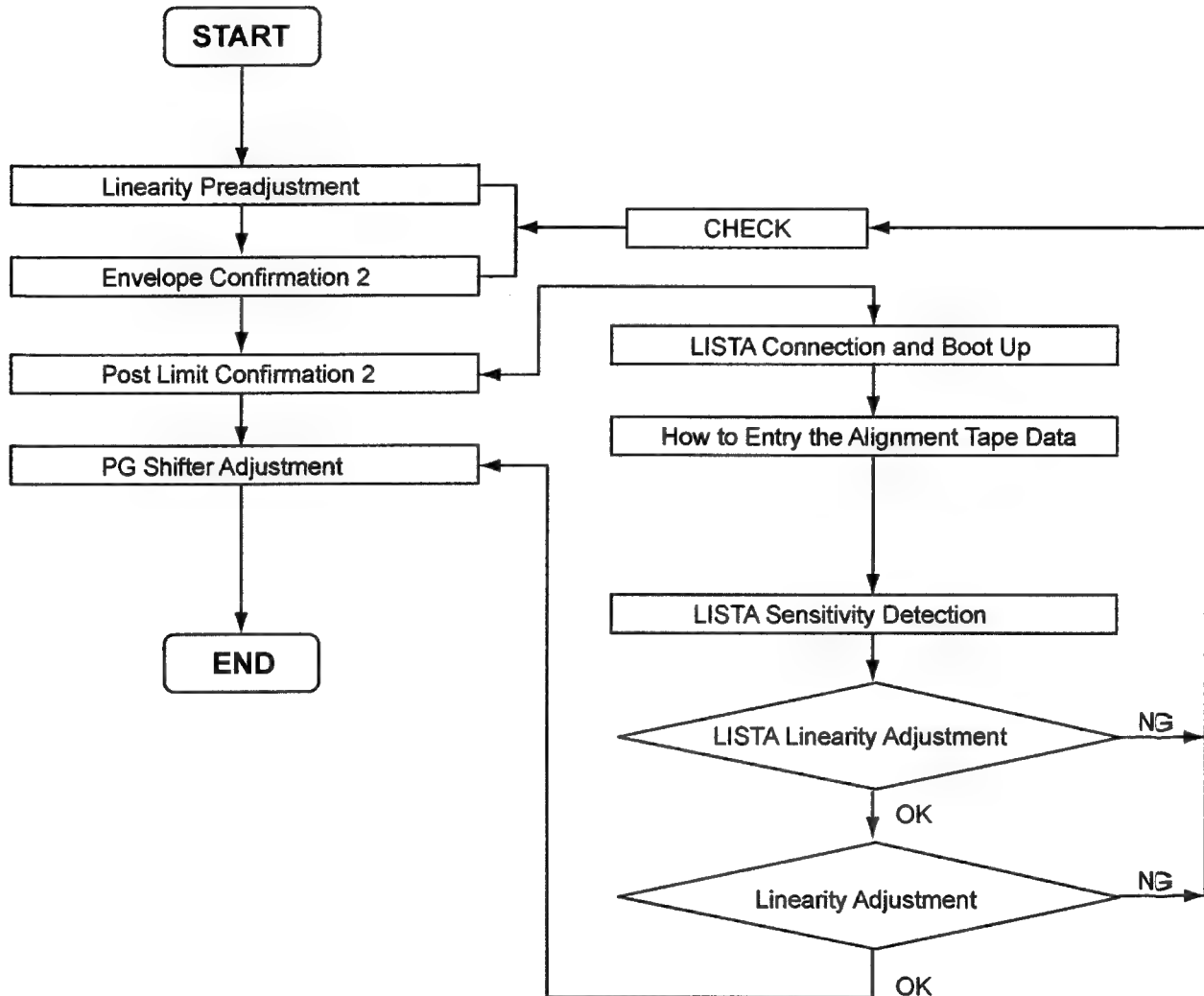
5-1-1. Adjustment Flow Chart After Drum Unit Replacement

1. After changing the Drum Unit, perform the following adjustment steps.

Adjustment Flowchart After Drum Unit & Mech. Chassis Replacement

Note : Confirm the tape path linearity before head replacement.

The number indicated on the chart below is item number on the Service Manual.



5-2. Reel Table Replacement

5-2-1. Supply Reel Rotor Unit Replacement

(Removal)

1. Remove the Cassette Cover, both Side Panel, and Cassette Up Unit, and then open MAIN P.C.B.
2. Disconnect the connector P514 on the RF & Servo P.C.B.
3. Turn the Emergency Gear until S1 Post moved to center loading Position and remove the S5 Post(Refer to item 5-12).
4. Pull up the Arm Return Spring on the Connection Arm Angle Side and disconnect the Connection Arm Angle.
5. Unscrew the 2 screws (C) to remove the Supply Reel Stopper as shown in Figure M5.
6. Push the Reel Table to middle position and unscrew the 2 screws(D) to remove the Supply Reel Rotor Unit as shown in Figure M5.
7. Remove the 2 Cut Washers to remove the Idler Arm Unit.

5-2-2. Take Up Reel Rotor Unit Replacement

1. Remove the Cassette Cover, both Side Panel and Cassette Up Unit, and then open MAIN P.C.B.
2. Disconnect the connector P515 on the RF & Servo P.C.B.
3. Unscrews the 2 screws(E) and then remove the Take Up Reel Stopper.
4. Push the Reel Table to middle position and unscrew the 2 screws (F) to remove the Take Up Reel Rotor Unit as shown in Figure M5.

CAUTION : Don't touch FG portion with the Magnetized screw driver.

(Installation for both unit)

1. Install the new Reel Rotor Unit according to the reverse procedures for removal.
2. Adjust the "5-17.Reel Torque Adj." And confirm "5-15.Main Brake Torque" in the Section 2.

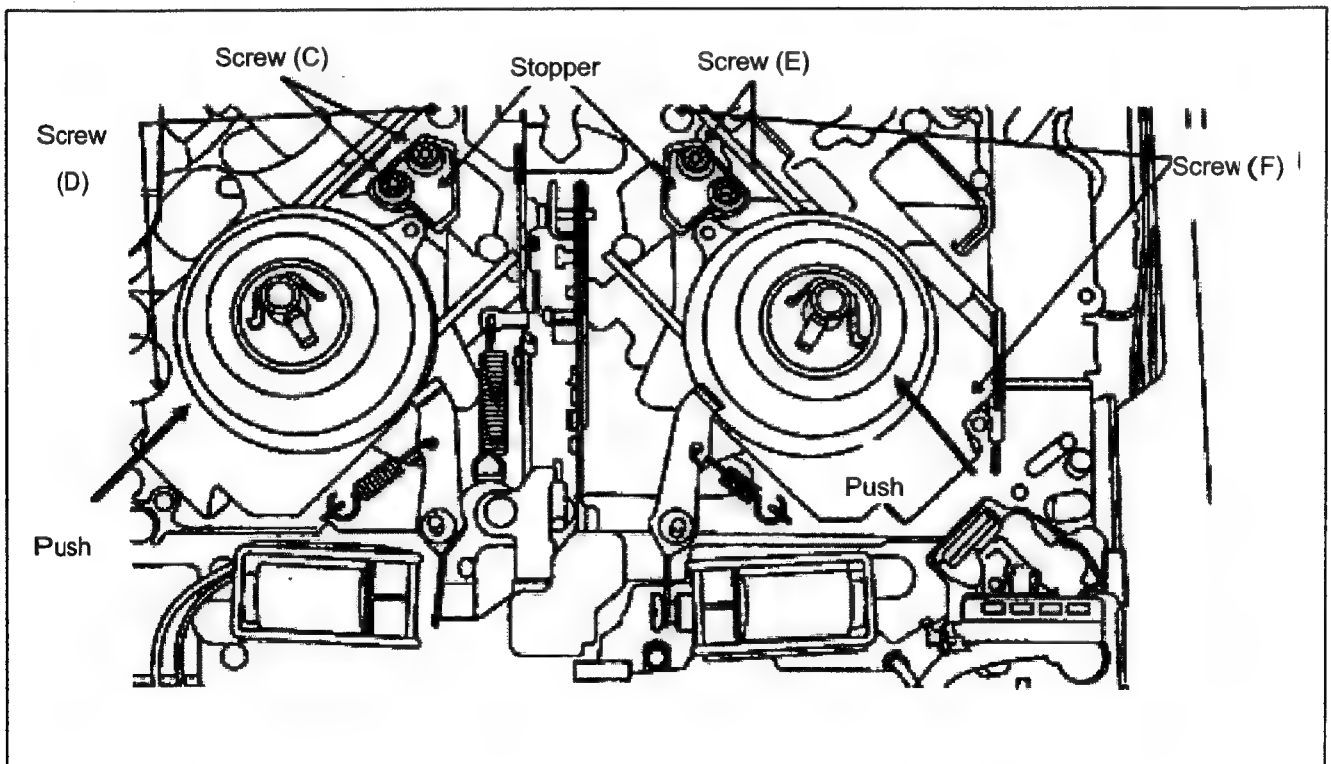


Fig.M5

5-3. Pinch Solenoid Replacement

(Removal)

1. Remove the Cassette Cover, both Side Panel and Cassette Up Unit, and then open MAIN P.C.B.
2. Disconnect the connector P510 on the RF & Servo P.C.B.
3. Unscrew the 2 screws(A) and remove the Pinch Solenoid Unit as shown in Figure M6.
4. Unscrew the 2 screws(B) and remove the Pinch Solenoid Angle.
5. Unscrew the 2 screws(C) and remove the Pinch Solenoid from the Pinch Solenoid Base.

(Installation)

1. Install the new Pinch Solenoid according to the reverse procedures for removal.
2. After installing, Pinch Solenoid Position Adjustment is required. (Refer to "5-14. Pinch Solenoid Adj." In the Section 2).

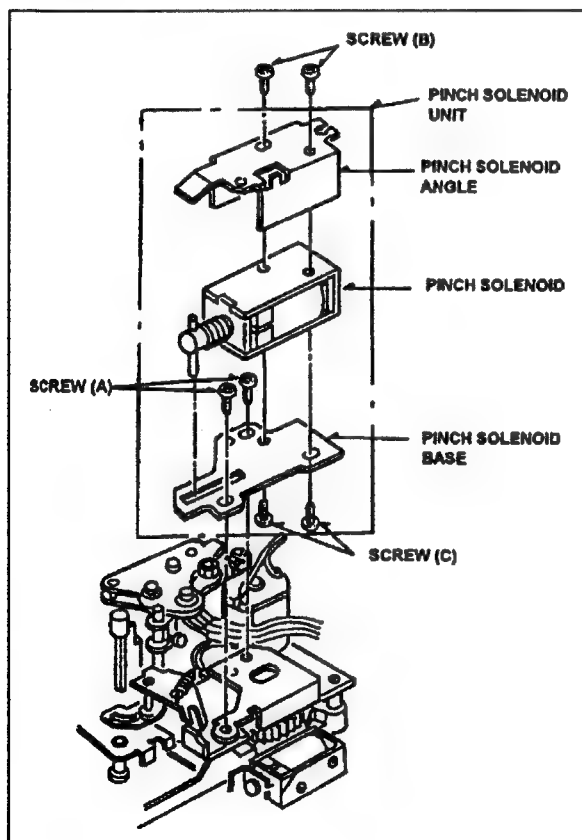


Fig.M6

5-4. Pinch Arm Unit Replacement

(Removal)

1. Remove the Cassette Cover, both Side Panel and Cassette Up Unit, and then open MAIN P.C.B.
2. Remove the Pinch Solenoid Unit (Refer to item 4).
3. Remove the Cut Washer(A) to remove the Pinch Solenoid Lever as shown in Figure M7.
4. Remove the Cut Washer(B) to remove the Pinch Arm Unit as shown in Figure M7.

(Installation)

1. Install the new Pinch Arm Unit according to the reverse procedures for removal.
2. After installing, Pinch Solenoid Position Adjustment is required. (Refer to "5-14. Pinch Solenoid Adj." In the Section 2).

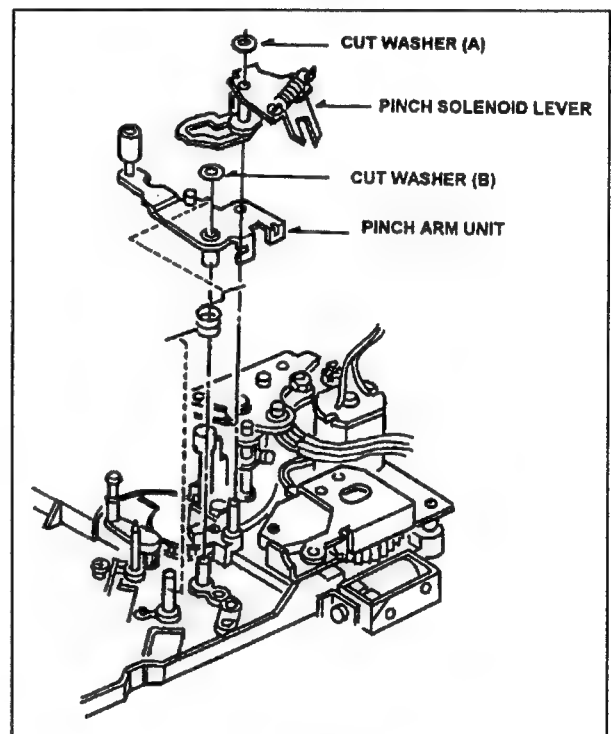


Fig.M7

5-5. Loading Motor Unit Replacement

(Removal)

1. Remove the Cassette Cover, both Side Panel and Cassette Up Unit, and then open MAIN P.C.B.
2. Disconnect the connector P511 on the RF & Servo P.C.B.
3. Remove the Pinch Solenoid and Pinch Solenoid Lever.
4. Unscrew the screw(B) to remove the Emergency Shaft as shown in Figure M8.
5. Unscrew the 2 screw (C) to remove the Loading Motor Unit as shown in Figure M8.
6. Unscrew the 2 screw(D) to remove the Loading Motor Neutral Unit as shown in Figure M8.

(Installation)

1. Install the new Loading Motor Unit according to the reverse procedures for removal.
2. Install the Pinch Solenoid Unit. After installing, Pinch Solenoid Position Adjustment is required. (Refer to "5-14.Pinch Solenoid Adj." In the Section 2).

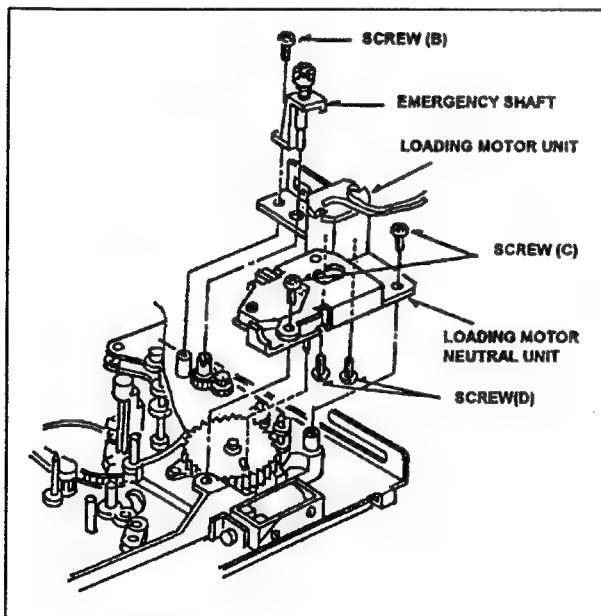


Fig.M8

5-6. Mode Select Switch Unit Replacement

(Removal)

1. Remove the Cassette Cover, both Side Panel and Cassette Up Unit, and open MAIN P.C.B.
2. Disconnect the connector P512 on the Servo P.C.B.
3. Remove the Pinch Solenoid Unit and Loading Motor Neutral Unit.
4. Remove the screw(D) to remove the Mode Select Switch Unit from Loading Motor Neutral Unit as shown in Figure M9.

(Installation)

1. Install the New Mode Select Switch Unit according to the reverse procedures for removal.

Note : Confirm that the pin of Mode Switch Unit matches with the groove of Main Cam Gear.

2. After installing, Pinch Solenoid Position Adjustment is required. (Refer to "5-14.Pinch Solenoid Adj." In the Section 2).

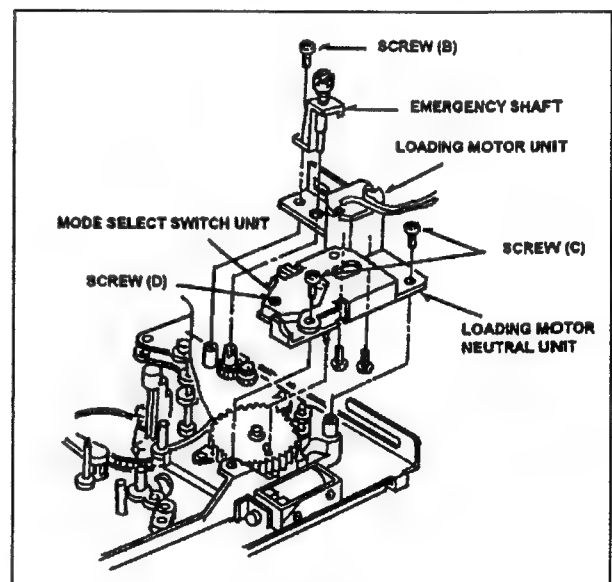


Fig.M9

5-7. Main Cam Gear Replacement

(Removal)

1. Remove the Cassette Cover, both Side Panel and Cassette Up Unit, and then open MAIN P.C.B.
2. Remove the Pinch Solenoid Unit and Loading Motor Neutral Unit.
3. Remove the Main Cam Gear as shown in Figure M10.

(Installation)

1. Install the Main Cam Gear so that the pin of Main Cam Arm Unit(*) matches with the groove position of Main Cam Gear as shown in Figure M10.
2. Follow the reverse procedures for removal.
3. After installing, Pinch Solenoid Position Adjustment is required,(Refer to "5-14.Pinch Solenoid Adj." In the Section 2).

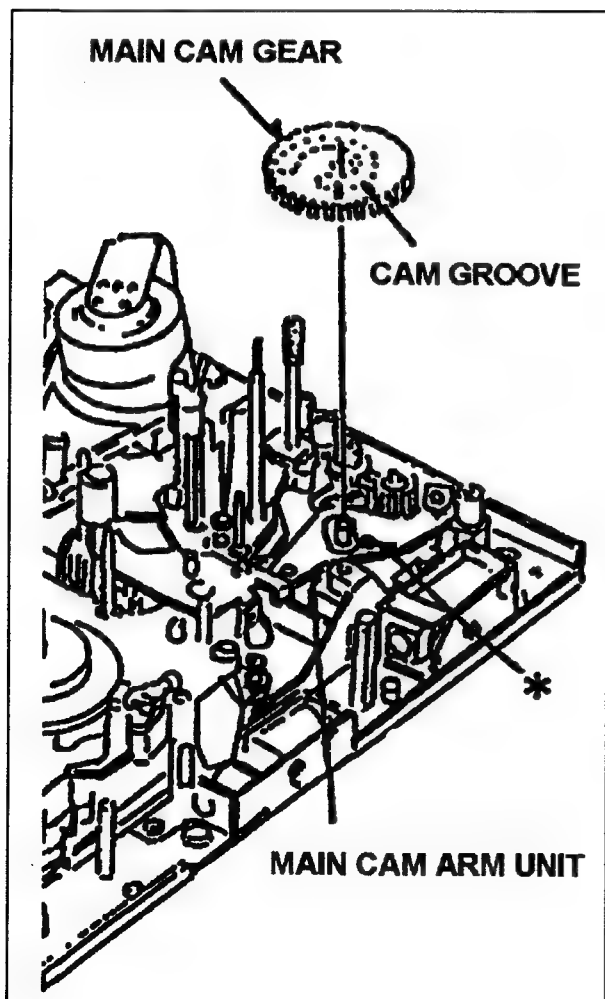


Fig.M10

5-8. Brake Arm & Brake Solenoid Replacement

1. Remove the Cassette Cover, both Side Panel and Cassette Up Unit, and then open MAIN P.C.B.
2. Disconnect the connectors P505, P508 on RF & Servo P.C.B.
3. Unscrew the 2 screws(A) to remove the Supply Brake Solenoid and unscrew the screw (B) to remove the Solenoid base as shown in Figure M11.
4. Remove the cut washer (C) to remove the Supply Brake Arm.
5. Unscrew the 2 screws(D) to remove the Take Up Brake Solenoid and unscrew the screw (E) to remove the Solenoid base as shown in Figure M11.
6. Remove the cut washer(F) to remove the Take Up Arm.

(Installation)

1. Install the new cassette Brake Base Unit according to the reverse procedures for removal.
2. After installing, the Brake Solenoid Position Adjustment required.

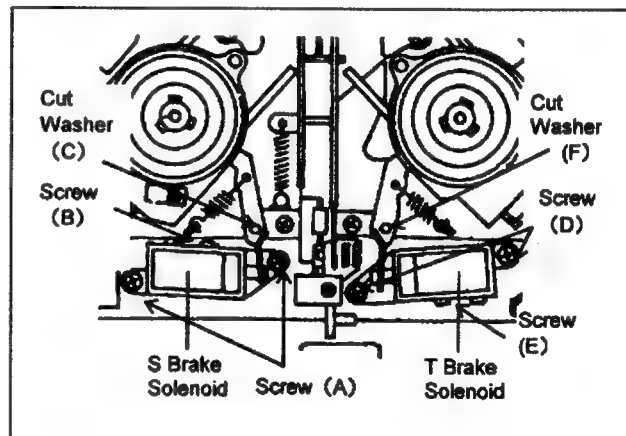


Fig.M11

5-11. Cleaner Solenoid Replacement and Adjustment

(Removal)

1. Remove the Cassette Cover both Side Panel and Cassette Up Unit, and then open MAIN P.C.B.
2. Disconnect the connector P518 on the Servo P.C.B.
3. Unscrew the 2 screws (A) and remove the Cleaner Solenoid Unit as shown in Figure M15.
4. Unscrew the 2 screws (B) and remove the Cleaner Solenoid as shown in Figure M15.

(Installation)

1. Install the new Cleaner Solenoid according to the reverse procedures for removal.
2. After installing, Cleaner Solenoid Position adjustment should be performed as follows.

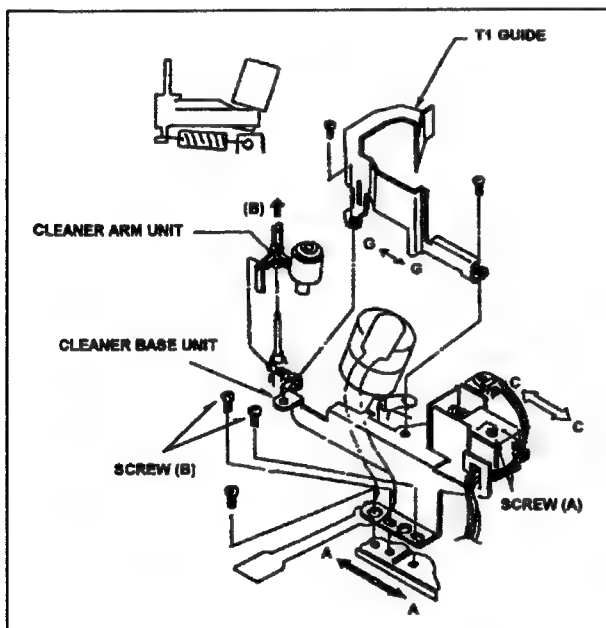


Fig.M15

5-11-1. Cleaner Solenoid Position Adjustment

* Required Tools : Eccentric Driver (VFK0357)

1. Press the iron core of Cleaner Solenoid.
2. Observe the clearance (D) between Cleaning Arm Unit and Cleaner Base Plate as shown in Figure M16. And make sure that it is in between 0.5 and 0.7mm.
3. If not, loosen the 2 screws (A) and adjust the position of Cleaner Solenoid Unit by moving to arrow direction (C↔C) with eccentric driver so that the clearance (D) is within the specification, And tighten the 2 screws (A).

4. After adjustment, confirm as follows.
5. Press the iron core of Cleaner Solenoid to release, and then return the Cleaning Roller to original position.
6. Press the iron core of the Cleaner Solenoid and confirm that the Cleaner Roller is rotated when the cylinder is rotated by hand.

Note : If the cleaner Base Plate is removed, Cleaner Roller Position Adjustment Should be performed.

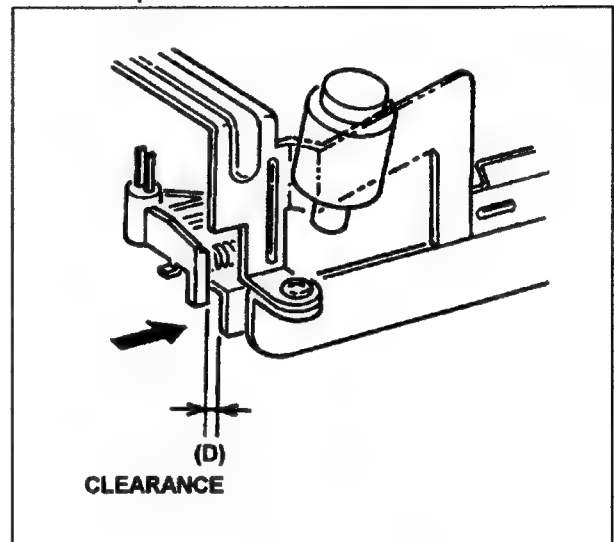


Fig.M16

5-11-2. Cleaner Roller Position Adjustment

*Required Tools : Eccentric Driver (VFK0357)

1. Observe the clearance (A) between Cleaner Roller and Cylinder Unit as shown in Figure M17. And make sure that it is in between 1.0 and 1.2mm.
2. If not, loosen the 2 screws (B) and adjust the position of Cleaner Base Plate by moving to arrow direction (A↔A) with the Eccentric Driver so that the clearance (A) is within the specification. And tighten the 2 screws (B).

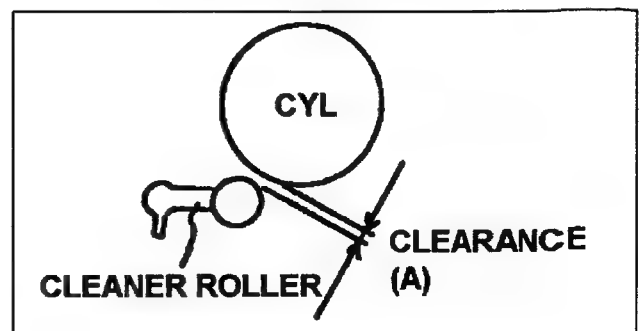


Fig.M17

5-12. S5 Post Base Unit Replacement

(Removal)

1. Remove the Cassette Up Unit.
2. Unscrew the screw (A) and remove the S5 Post Base Unit as shown in Figure M18.

(Installation)

1. Install the S5 Post Base Unit according to the reverse procedures for removal.
2. After installing, Post Height Pre-adjustment and Linearity Adjustment should be performed.

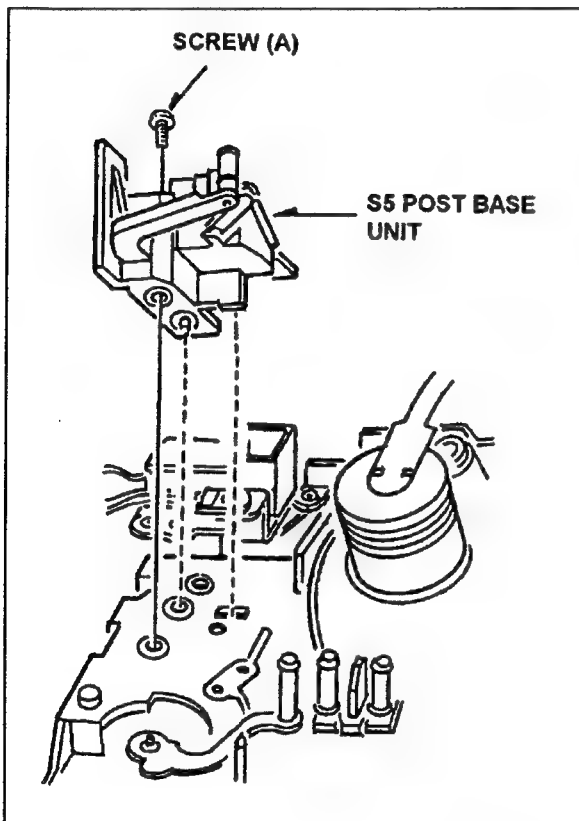


Fig.M18

5-13. Tension Arm Unit Replacement

(Removal)

1. Remove the Cassette Cover and Left Side Panel.
2. Remove the Cassette Up Unit.
3. Remove the Cut Washer (A) and pick up the Tension Reg. Spring. Then remove the Tension Arm Unit as shown in Figure M19.

(Installation)

1. Install the new Tension Arm Unit according to the reverse procedures for removal.
2. After installing, Tension Arm Adjustment should be performed as follows.

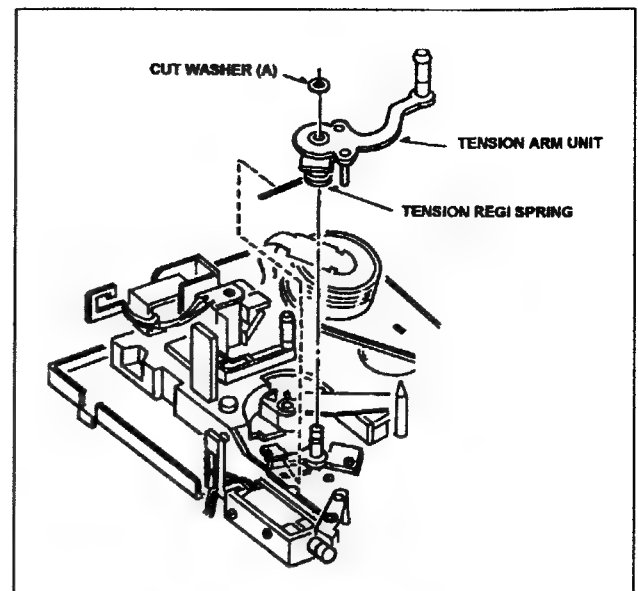
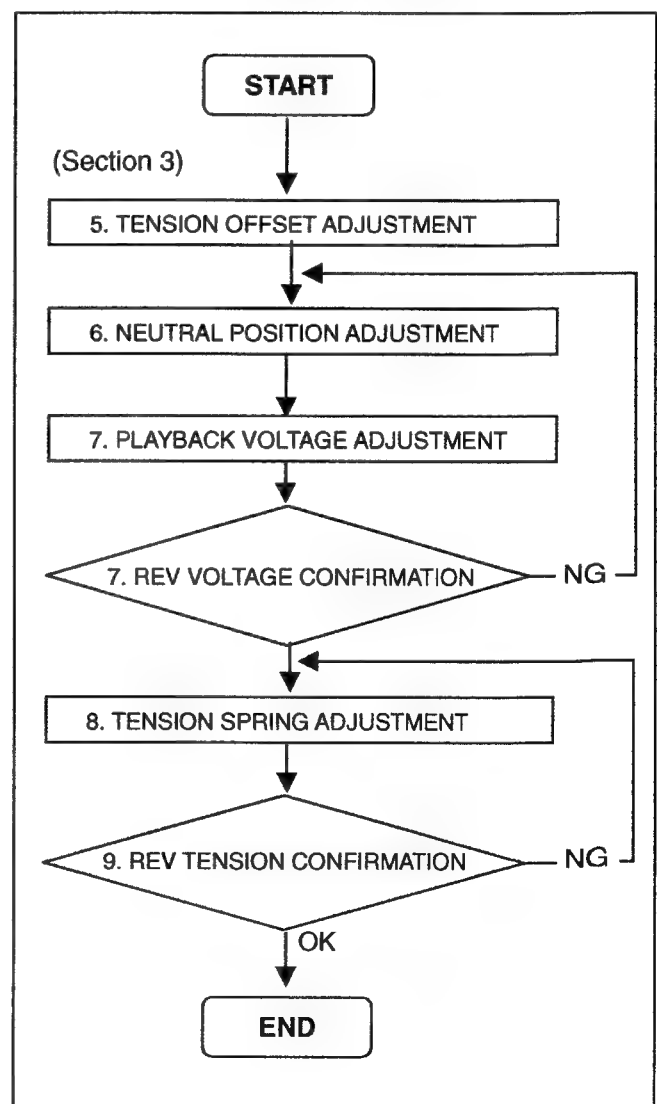


Fig.M19

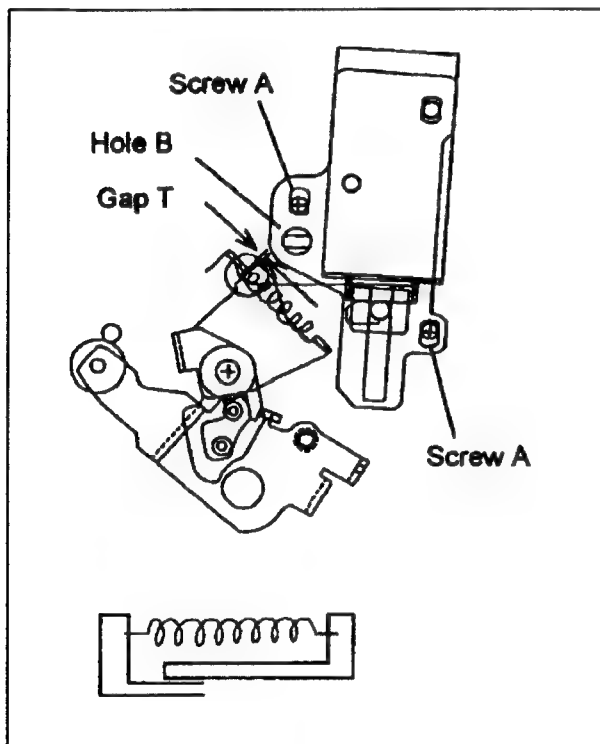
Tension Arm Adjustment Flowchart



5-14. Pinch Solenoid Adjustment

SPEC.	T=0.3mm
TEST	Gap T
ADJUST	Screw A, Hole B
MODE	Eject (Power OFF)
TOOL	VFK0357

1. Confirm the power off.
2. Push the pinch roller by hand to be close to capstan.
3. Push the pinch solenoid by hand so that the Pinch roller contacts capstan.
4. Loosen the two screws A.
5. Adjust the hole B so that gap T is within the specification.
6. Tighten the two screws A.

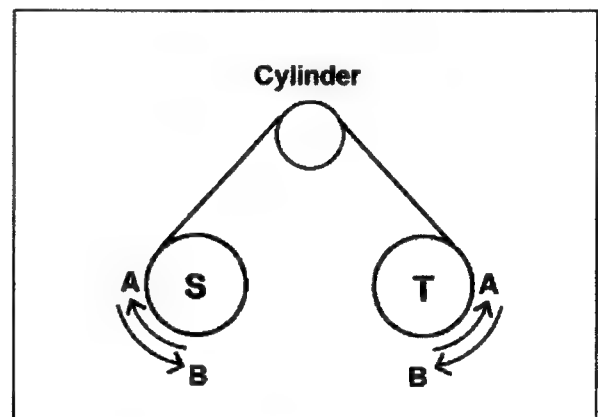


5-15. Main Brake Torque Confirmation

SPEC.	Direction A : $0.4 \pm 0.2\text{cN.m}$ Direction B : $0.2 \pm 0.1\text{cN.m}$
TEST	S Reel, T Reel
MODE	Eject (Power OFF)
TOOL	VFK71A, VFK1191A, VFK1152

1. Confirm the power off.
2. Remove the Cassette Up Unit.
3. Install the adapter (VFK1152) to the torque gauge (VFK71A).
4. Put the torque gauge on S Reel.
5. Turn the torque gauge to direction A until S Reel slips against brake.

6. Confirm the torque is within the specification.
7. Put the torque gauge on T Reel.
8. Turn the torque gauge to direction A until T Reel slips against brake.
9. Confirm the torque is within the specification.
10. Install the adapter (VFK1152) to the torque gauge (VFK1191A).
11. Put the torque gauge on S Reel.
12. Turn the torque gauge to direction B until S Reel slips against brake.
13. Confirm the torque is within the specification.
14. Put the torque gauge on T Reel.
15. Turn the torque gauge to direction B until T Reel slips against brake.
16. Confirm the torque is within the specification.



5-16. Post Height Preadjustment

MODE	Eject (Power OFF)
TOOL	VFK1348, VFK1692, VFK1149A, VFK1151

1. Turn the power OFF and then set the tube* to cover the TAPE DETECT LED and place the unit into no tape loading mode.
2. Install the Mech.Neutral Plate and adjust each post height as shown in figure.

Post	Limit	Post Driver
S4	Lower	VFK1149A
S5	Lower	VFK1149A
T4	Lower	VFK1151 (2.5mm Nut Driver)

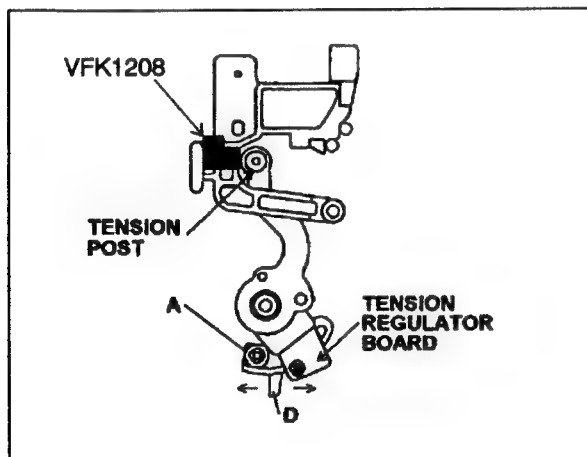
5-19. Neutral Position Adjustment

BOARD	RF & SERVO
SPEC.	$2.5 \pm 0.1V$
TEST	TP400
ADJUST	Sensor
MODE	STOP
TOOL	VFK1208
M.EQ	Digital Volt Meter

1. Remove the cassette up unit.
2. Set the tube* to cover the TAPE DETECT LED and place the unit into no tape loading mode.
3. Install the black spacer (VFK1208) at the position as shown in figure. Adjust the sensor position so that the TP400 voltage is within the specification. To adjust, loosen the screw A and adjust the lever D.

Note.

1. Make a tube* by yourself.



5-20. Play & Rev Tension Adjustment

BOARD	RF & SERVO
SPEC.	(PLAY) $3.8 \pm 0.05V$ (REV) $1.2 \pm 0.3V$
TEST	TP400
ADJUST	VR401
MODE	STOP
TOOL	VFK1156, VFK1155
M.EQ	Digital Volt Meter

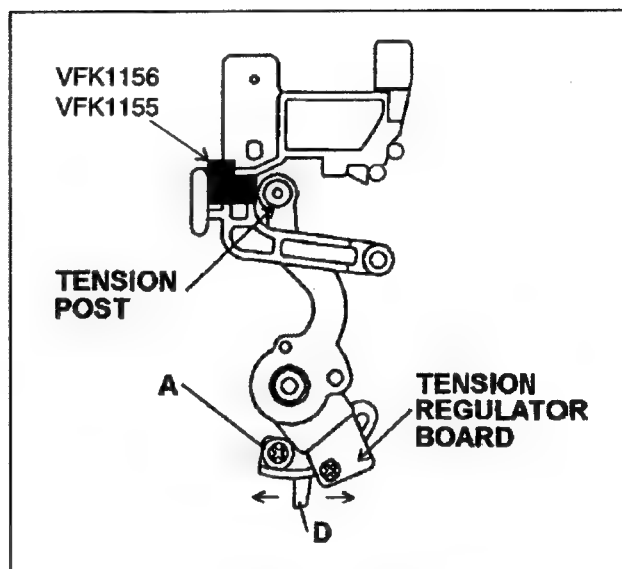
1. Set the tube* to cover the TAPE DETECT LED and place the unit into no tape loading mode.
2. Install the black spacer (VFK1156) at the position as shown in figure. Adjust the VR401 so that the TP400 voltage is within the specification (PLAY).

To adjust, loosen the screw A and adjust the lever D.

3. Install the gold spacer (VFK1155) at the same position instead of the black one. Confirm that the TP400 voltage is within the specification (REV).

Note.

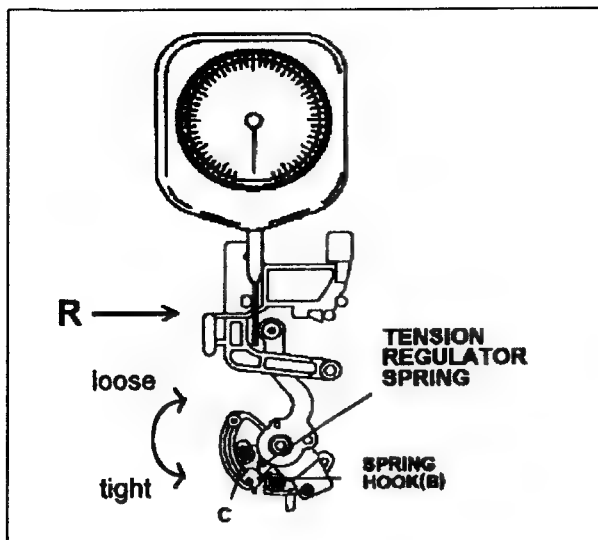
1. Make a tube* by yourself.
2. In case that it is impossible to adjust within the specification, readjust from Neutral Position Adjustment.



5-21. Tension Spring Adjustment

BOARD	RF & SERVO
SPEC.	$110 \pm 10mN.m$
TEST	TP400
ADJUST	Spring hook (B)
MODE	STOP
TOOL	VFK1188A
M.EQ	Digital Volt Meter

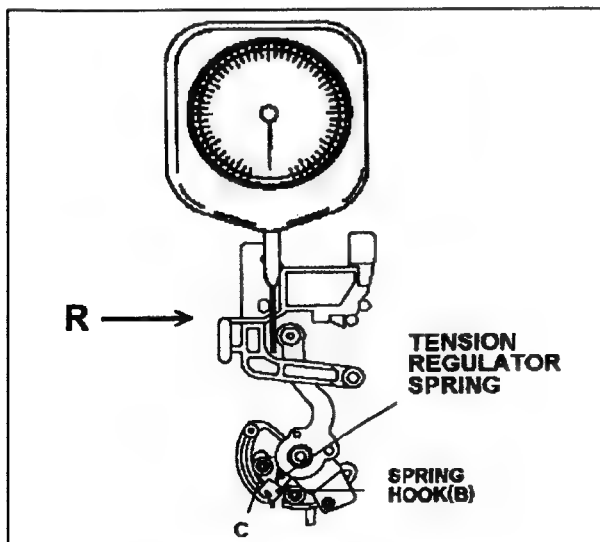
1. Remove the cassette up unit.
2. Set the tube* to cover the TAPE DETECT LED and place the unit into no tape loading mode.
3. Insert the tension gauge to push the tension post to the direction R until the voltage at the TP400 becomes 3.8V (PLAY position).
4. Adjust the position of hook (B) so that the indication of gauge is within the specification. To adjust hook (B), loosen the screw (C).



5-22. REV Tension Confirmation

BOARD	RF & SERVO
SPEC.	$180 \pm 20 \text{mN.m}$
TEST	TP400
MODE	STOP
TOOL	VFK1188A
M.EQ	Digital Volt Meter

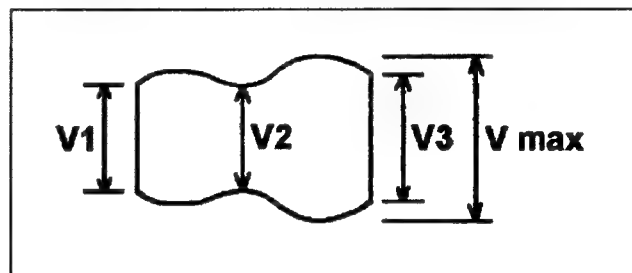
1. Set the tube* to cover the TAPE DETECT LED and place the unit into no tape loading mode.
2. Insert the tension gauge to push the tension post to the direction R until the voltage at the TP400 becomes 1.2V (REV position).
3. Confirm that the indication of gauge is within the specification. If not, make the Tension Spring Adjustment again.



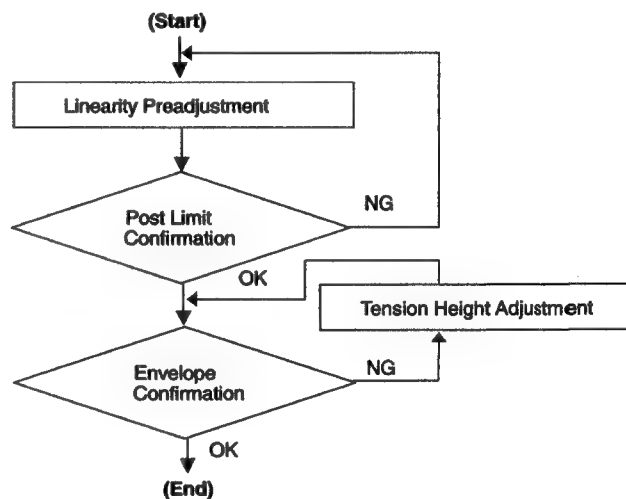
5-23. Linearity Preadjustment

SPEC.	$V1/V_{\text{max}}, V2/V_{\text{max}}, V3/V_{\text{max}} \geq 0.8$
TEST	TP1 (RF & SERVO Board)
ADJUST	S1, T1 Post Height
MODE	PLAY (ATF)
TAPE	VFM3110EDL
M.EQ	Oscilloscope
TOOL	VFK1149

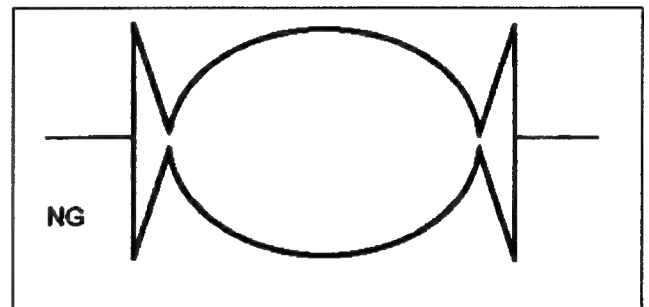
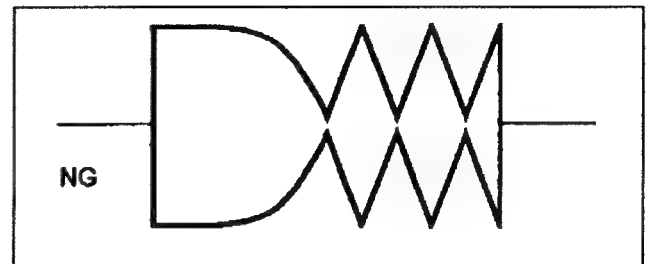
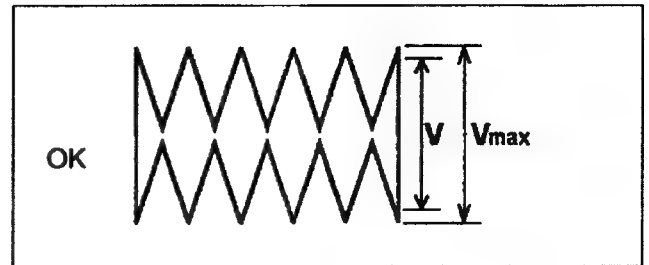
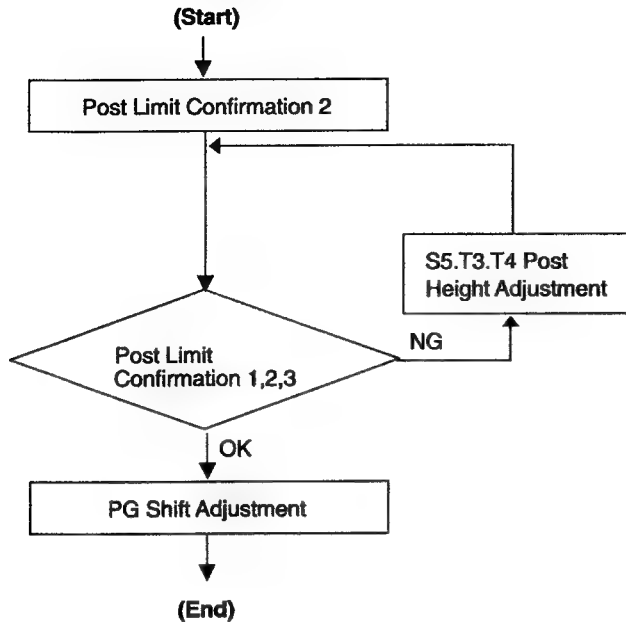
1. Play the alignment tape.
2. Adjust the S1 and T1 posts so that the envelope output is within the specification.



Tape Path Adj. Flowchart



Post Limit Confirmation Flowchart



5-24. Post Limit Confirmation 1

SPEC.	Post limits shown in the table. No tape curl
MODE	PLAY
TAPE	BLANK TAPE
TOOL	VFK1149A,VFK1151

Post Limit Table

Post	Limit	Adjustment
S5 Post	Lower Limit or Free	S5 Post Height
S4 Post	Lower Limit	S4 Post Height
S1 Post	Upper Limit	Linearity
T1 Post	Upper Limit	Linearity
T4 Post	Lower Limit or Free	T4 Post Height

1. Confirm the post limit of each post and adjust i n case of necessary.

5-25. Envelope Confirmation 1

SPEC.	$V/V_{max} \geq 0.9$
TEST	TP1 (RF & SERVO P.C.B.)
MODE	FF,REW,REV(PLAY&REW)
TAPE	VFM3110EDL (PAL Color Bar)
M.EQ	Oscilloscope

1. Confirm the envelope in each mode.
2. If out of specification, adjust the S4 post height again.

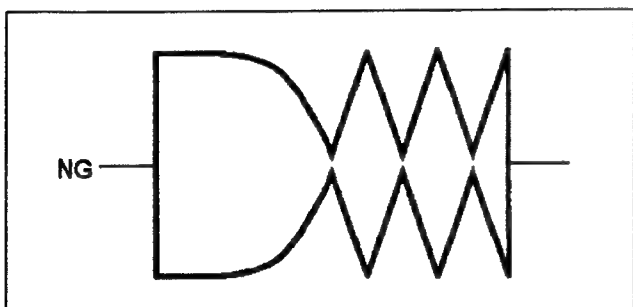
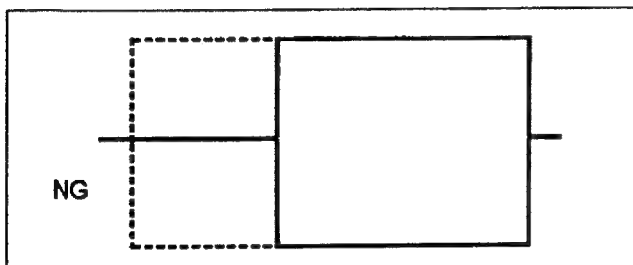
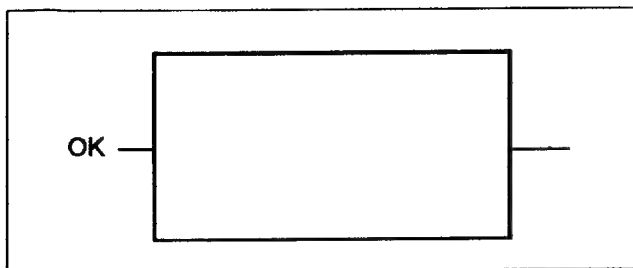
*REV mode Setting

- (1) Press the PLAY key repeatedly twice to enter the STILL mode.
- (2) It becomes the REV mode while a REW key is being pushed.

5-26. Envelope Confirmation 2

SPEC.	Envelope appears immediately.
TEST	TP1 (RF & SERVO P.C.B.)
MODE	REW/REV(PLAY & REW) →PLAY FF→PLAY LOADING→PLAY
TAPE	VFM3110EDL (PAL Color Bar)
M.EQ	Oscilloscope

1. Confirm that the envelope appears immediately after the mode is switched from REW to PLAY, from REV to PLAY from FF to PLAY and from LOADING to PLAY.
2. If out of specification, adjust the S4 post height again.



*For the REV mode, refer to the item number 5-25.

5-27. Post Limit Confirmation 2

SPEC.	Post limits shown in the table. No tape curl
MODE	REV (PLAY & REW)
TAPE	DV L CASSETTE
TOOL	VFK1149A,VFK1151

Post Limit Table

Post	Limit	Adjustment
S5 Post	Upper Lower Limit or Free	S5 Post Height
S4 Post	Lower Limit or Free	S4 Post Height
S1 Post	Upper Limit	Linearity
T1 Post	Upper Lower Limit or Free	Linearity
T4 Post	Lower Limit	T4 Post Height

1. Confirm the post limit of each post and adjust again in case of need.

5-28. Post Limit Confirmation 3

SPEC.	Post limits shown in the table. No tape curl
MODE	FF, REW
TAPE	DV L CASSETTE (beginning or ending portion)
TOOL	VFK1149A,VFK1151

Post Limit Table

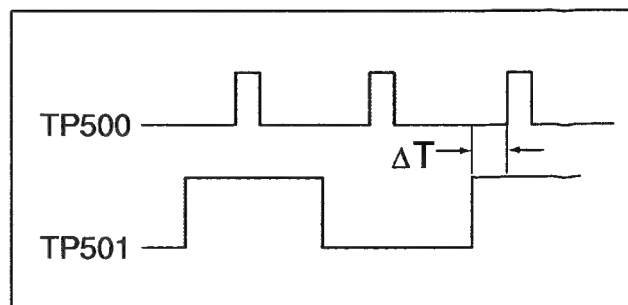
Post	Limit	Adjustment
S5 Post	Upper Lower Limit or Free	S5 Post Height
S4 Post	Lower Limit or Free	S4 Post Height
S1 Post	Upper Limit	Linearity
T1 Post	Upper Lower Limit or Free	Linearity
T4 Post	Free	T4 Post Height

1. Confirm Post Limit Confirmation 1 Playing beginning or ending portion of L cassette.
2. Confirm the post limit of each post and adjust again in case of necessary.
3. If T3 post is adjusted, confirm that the tape has no curl at T3 post while loading or unloading.

5-29. PG Shifter Adjustment

BOARD	Servo
SPEC.	$\Delta T = 126.69 \pm 2.5 \mu s$
TEST	TP501, TP500
ADJUST	SERVICE MENU 2/2 PG SHIFT
MODE	PLAY
TAPE	VFM3110EDL
M.EQ	Oscilloscope

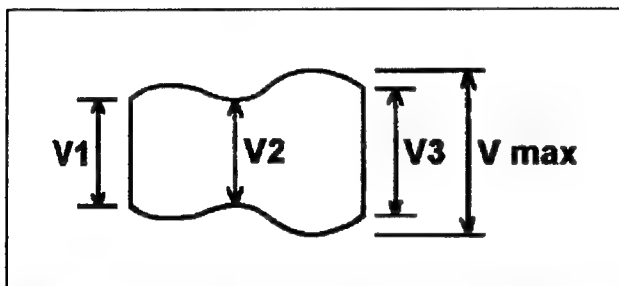
1. Adjust the PG SHIFT of the service menu the specification (Trigger : TP501).



5-30. Linearity Adjustment

SPEC.	$V1/V_{max}, V2/V_{max}, V3/V_{max} \geq 0.8$
TEST	TP1 (RF & SERVO board)
MODE	PLAY
TAPE	Blank Tape
TOOL	VFK1149A
M.EQ	Oscilloscope

1. Record the color bar signal.
2. Play back the recorded portion and confirm that the envelope output is within the specification.



5-31. LISTA Adjustment Procedures

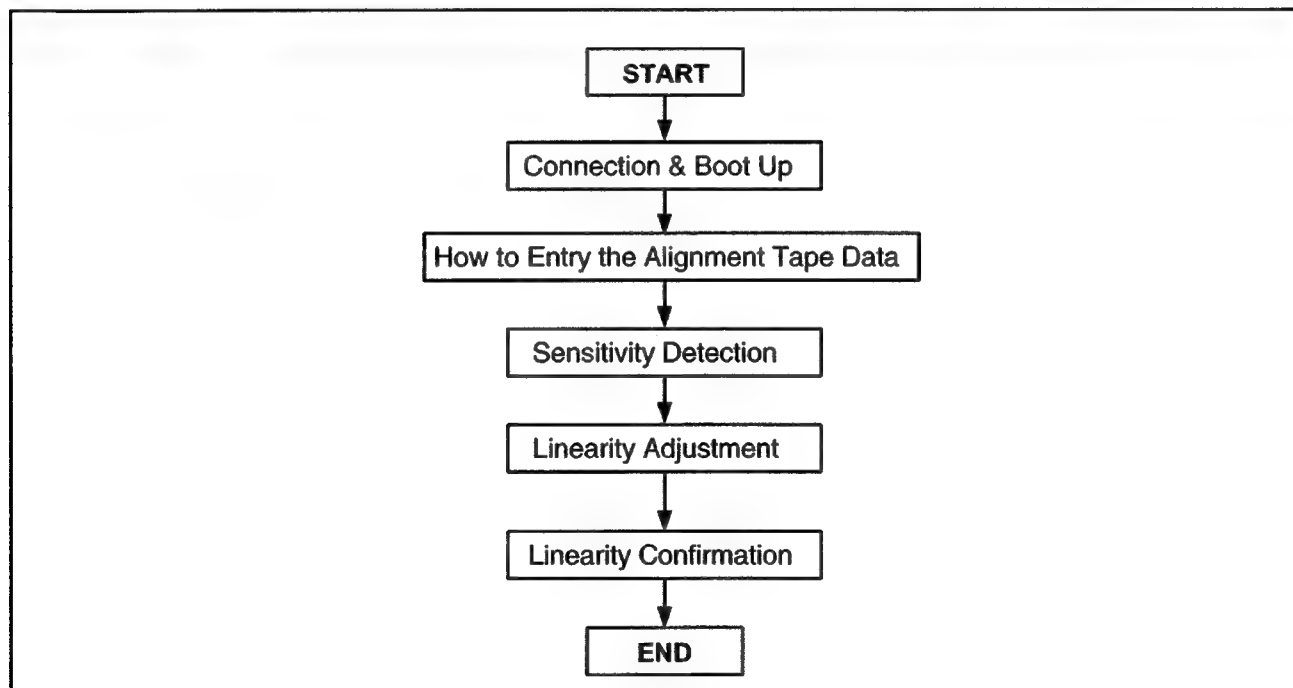


Figure 1

5-32. LISTA Connection and Boot Up

TAPE	VFM3000EDL (DV LISTA)
M. EQ	Personal Computer (A/D Board should be installed.)
TOOL	VFK1481C (LISTA Software), VFK1186 (LISTA Cable), VFK1300 (A/D Converter Board), VFK1409S (Measuring Board)
TP	ATF : TP F2 (VFK1409S), HSW : TP HID1 (VFK1409S), GND : TP GND (VFK1409S)

1. Connect a PC, the Measuring Board and the AG-DVC200E as shown below.

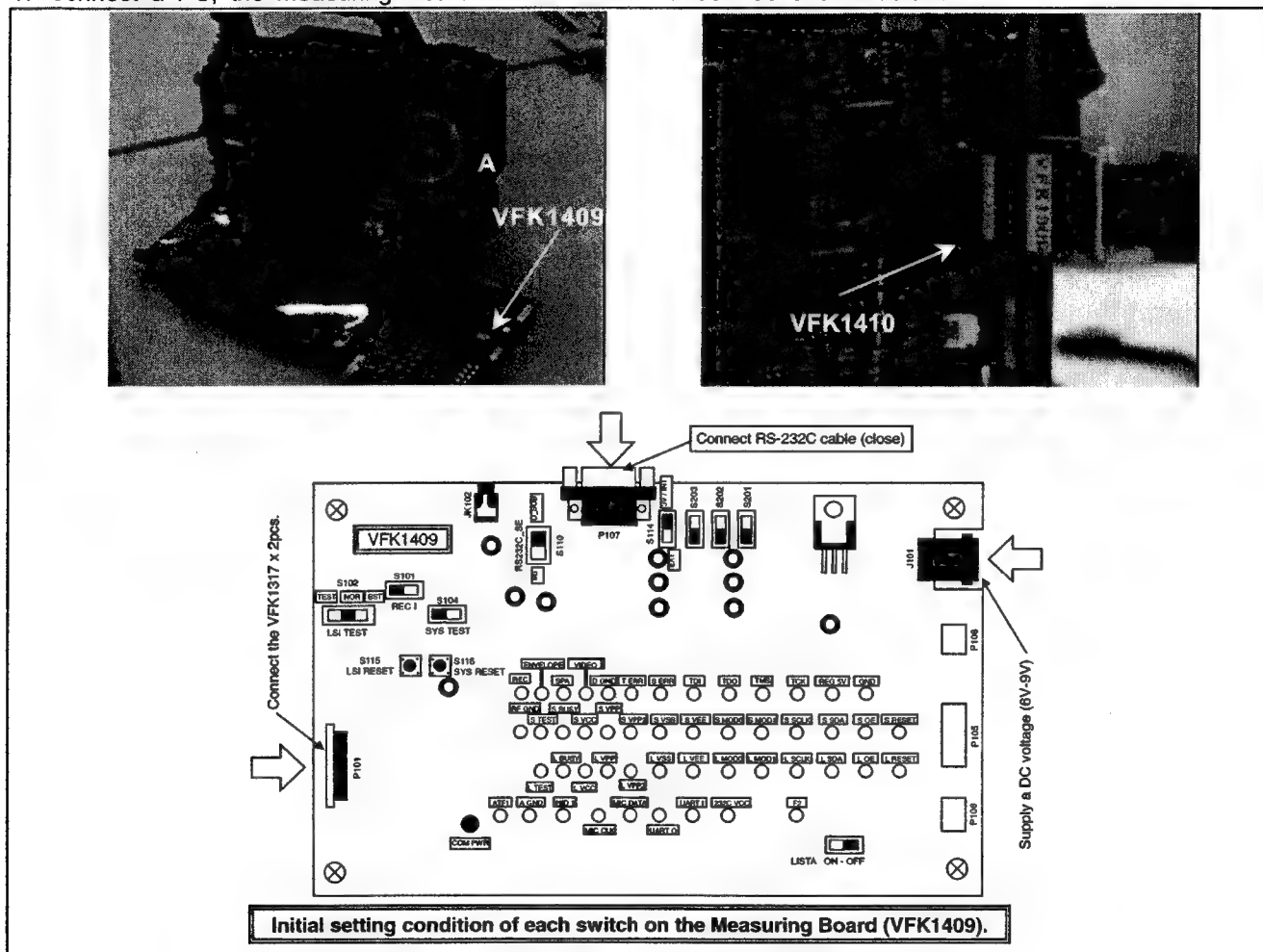


Figure 2

2. Connect the clips of the LISTA cable to test point on the Measuring Board. (VFK1409S) (Refer to Items "Sensitivity Adjustment" and "Linearity Adjustment".)
3. Set the switches on the Measuring Board as shown below.

<VFK1409S>

SW REF.	NAME OF SW	SETTING POSITION
---	LISTA ON - OFF	ON Position

Figure 3

4. Boot up the LISTA software on DOS mode.

< How to Install and Boot Up >

Copy all files on the floppy disk (VFK1481C : LISTA Software) to created directly on PC (i.e.; C:\LISTA\)

5. After the LISTA software boot up, <<< **FORMAT SELECT** >>> display appears. Select the item "DV".
6. After select the format, <<< **VTR SELECT** >>> display appears, and select the model "DVC200".

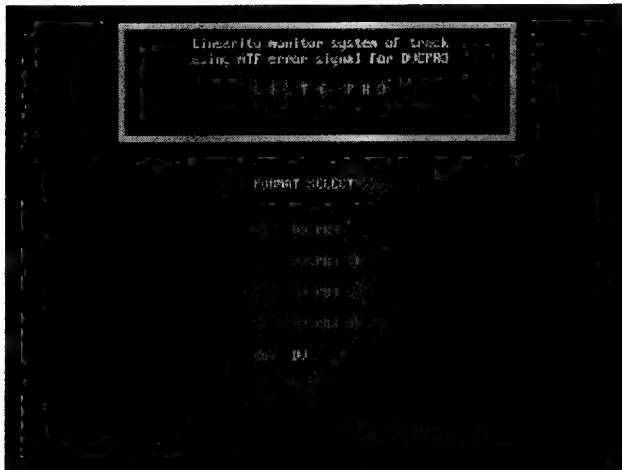


Figure 4

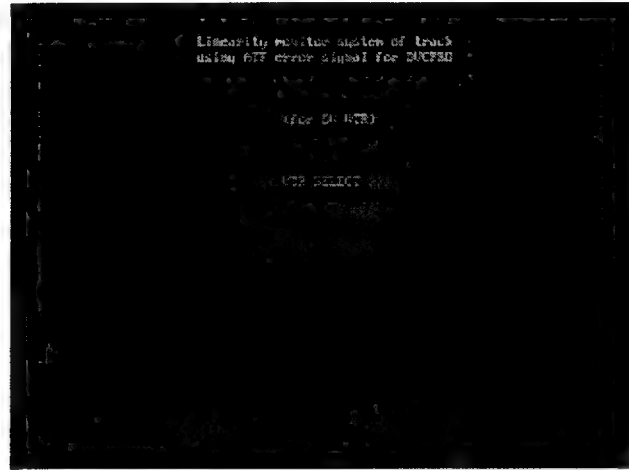


Figure 5

5-33 How to Entry the Alignment Tape Data

1. Select the item "<4> Alignment Tape" on the LISTA main menu.
2. Select the item "<2> ENTRY" on the alignment menu.
3. After the screen of <<Alignment Tape Data Entry>> is displayed, first input the Serial Number of Alignment tape printed on the tape label. And input the number "0" or "1" for selected the PAL/NTSC. And after that for entry the tape type, incase of DVCPRD input to "0", in case of DV input to "1" for DV. (input "0" for DVCPRD)
4. After select the tape type, the frame for input the DATA and CHECK SUM appears on the screen. Input the numerical value on the data sheet, which are enclosed with alignment tape. If input the wrong number, appear the error message on the screen, then confirm that the data on the sheet.
5. After entry the data, select "<1> SELECT" on the Alignment Tape Menu and select the serial number of the alignment tape.

<< Alignment Tape Data Entry >> Serial No. 0596003 (PAL) 10μm

[1]	- 0.1
[2]	0.1
[3]	0.0
[4]	0.2
[5]	0.6
[6]	0.5
[7]	0.7
[8]	0.9
[9]	1.0
[10]	0.8

[11]	0.7
[12]	1.0
[13]	0.7
[14]	0.5
[15]	0.2
[16]	- 0.5
[17]	- 0.3
[18]	- 0.3
[19]	- 0.1
[20]	- 0.6

[21]	- 0.4
[22]	- 0.2
[23]	- 0.7
[24]	- 0.6
[25]	- 0.7
[26]	- 0.3
[27]	- 0.4
[28]	- 0.4
[29]	- 0.6
[30]	- 0.3

[31]	- 0.4
[32]	- 0.6
[33]	- 0.3
[34]	- 0.2
[35]	- 0.1
[36]	- 0.3
[37]	- 0.1

[CS]	- 0.6
------	-------

6. Next, select the Serial number of the Alignment tape on the screen. In case of LISTA software does not have alignment tape data registered data entry is needed. Press the ESC key, then main menu is displayed on the screen. And select the item "<4> Alignment Tape" for entry the data on the attachment sheet, which is enclosed with alignment tape.
7. If LISTA software has data of alignment tape, select the serial number of Alignment tape, then message "ok?(y/n)" appears on the screen. And press " Y " or " ENTER " key, then LISTA main menu is displayed on screen.

5-34. LISTA Sensitivity Adjustment

TP	ATF : TP F2 (VFK1409S), HSW : TP HID1 (VFK1409S) GND : TP GND (VFK1409S)
VTR MODE	PLAY
ADJ. MODE	Tape Speed 101.2% Mode (AUTO)
TAPE	VFM3000EDL (DV LISTA)
SPEC.	150 \pm 10 (mV / μ m)

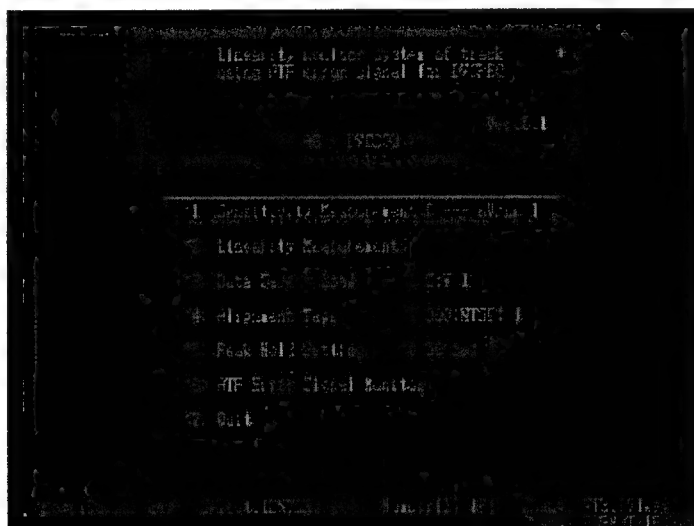


Figure 8

1. Insert the DV Alignment Tape (VFM3000EDL).
2. Open the Service Menu, and select item "RP GAIN" of "VTR SERVICE 2/2" menu.
3. Select item "<6> ATF Error Signal Monitor" and press "ENTER".
4. Adjust the "RP GAIN" becomes Sens. Value should be within the specification.
5. After the Adjustment, press ESC key to exit the menu.

5-35. LISTA Sensitivity Detection

TP	ATF : TP F2 (VFK1409S), HSW : TP HID1 (VFK1409S) GND : TP GND (VFK1409S)
VTR MODE	PLAY
ADJ. MODE	Tape Speed 101.2% Mode (AUTO)
TAPE	VFM3000EDL (DV LISTA)
SPEC.	150 ± 10 (mV / μ m)

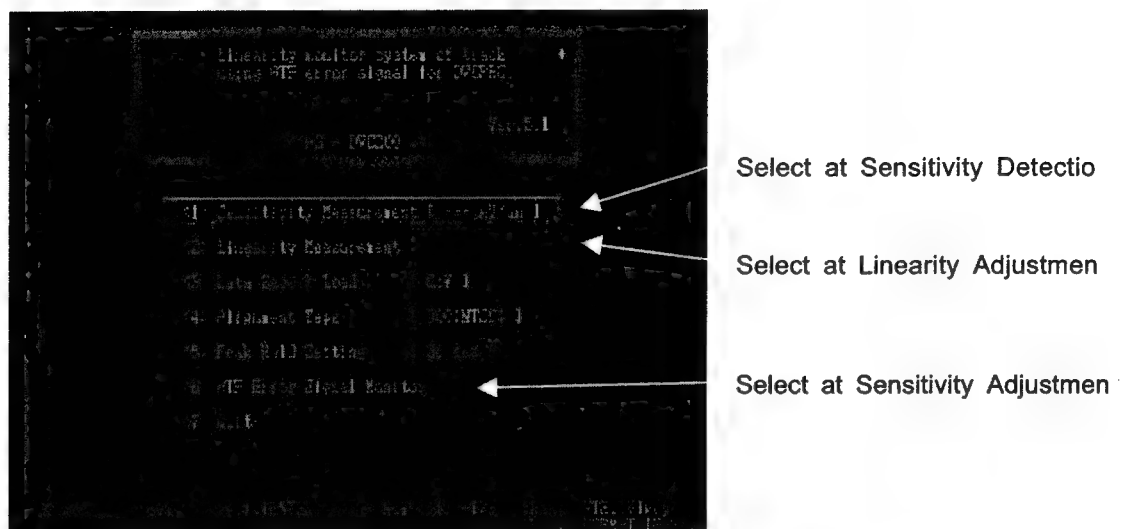


Figure 11

1. Insert the DV Alignment Tape (VFM3000EDL).
2. Select item "<1> Sensitivity Measurement " and press "ENTER".
3. Then the tape is played (tape speed : 101.2%) automatically.
4. Adjust the "RF GAIN" on the service menu so that the sensitivity Value of the Screen is within the Specification.

<<Sensitivity Measurement Finish>>		
Sensitivity	142.95 (mV/ μ m)	Confirm that the value of Sens.Value1 and Sens.Value2 in specification
Sens.1	138.43 (mV/ μ m)	
Sens.1	147.48 (mV/ μ m)	

Figure 12

5-36. LISTA Linearity Adjustment

TP	TP F2 : ATF ERR (VFK1409S), TP HID1 : TRG (VFK1309S), TP GND : GND (VFK1409S)
ADJ.	S1 and T1 Post Height
VTR MODE	PLAY
ADJ. MODE	Linearity Adjustment Mode (AUTO)
TAPE	VFM3000EDL (DV LISTA)
TOOL	VFK1149A : Post Driver
SPEC.	Linearity : less than 3 μ m

1. Insert the DV Alignment Tape (VFM3000EDL).
2. Open the Service Menu, and set "RP LIN" of "VTR SERVICE 2/2" menu is "ON".
3. Select the item "<2> Linearity Measurement" on the LISTA Main Menu, then Linearity Waveform appears.
4. When the waveform as shown below is displayed on the screen, press the "BS (Back Space)" key to move the waveform at the center of the scale on screen. Adjust S1 and T1 post height by using the post driver so that the linearity waveform becomes as flat as possible, and it should be within the specification.
(Adjust linearity to have waveform in between the red dot line on the screen.)

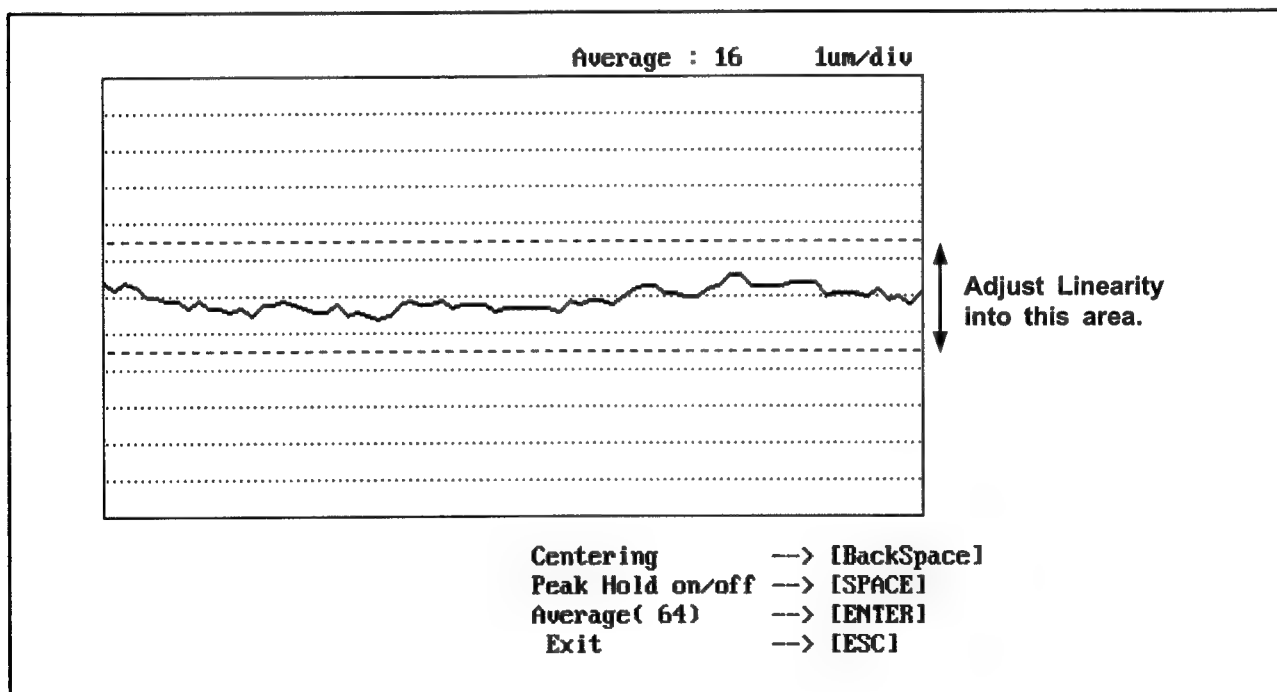


Figure 13

POINT :

The part of left side of waveform (entrance side) is adjusted by height of S1 post and part of right side of waveform (exit side) is adjusted by height of T1 post.

Lower part of above waveform of figure is displayed lead of Cylinder.

When the post driver is remove from upper part of post, linearity waveform may be changed.

After finish this adjustment, eject the tape and insert the tape again to confirm the shape of linearity waveform does not changed.

Electrical Adjustments

1. VDDM Voltage Adjustment

BOARD	MAIN
M.POINT	TP3701 (VDDM)
ADJUST	VR3701 (VDDM_ADJ)
MODE	EE
TAPE	---
M.EQ.	Digital Voltmeter
SPEC.	2.375V \pm 0.02V

1. Monitoring the voltage at TP3701, adjust VR3701 so that the DC voltage comes in the specification.

2. T-Reel Torque Offset Adjustment

BOARD	RF & SERVO
M.POINT	TP301, TP302 (GND)
ADJUST	VR301
MODE	ADJ. MODE
TAPE	---
M.EQ.	Digital Voltmeter
SPEC.	60V \pm 4mV

1. Hold the cassette carriage at its down position without inserting any cassette.
2. Select VTR SERVICE 2/2.. in VTR MAIN menu using JOG, and press JOB button.
3. Select T_TORQUE in VTR SERVICE 2/2 menu using JOG, and press JOB button.
4. Monitoring the voltage at TP301 while locking the T-reel motor by hand, adjust VR301 so that the voltage comes in the specification.
5. After finishing the adjustment, exit the adjustment mode.

3. S-Reel Torque Offset Adjustment

BOARD	RF & SERVO
M.POINT	TP300, TP302 (GND)
ADJUST	VR300
MODE	ADJ. MODE
TAPE	---
M.EQ.	Digital Voltmeter
SPEC.	60V \pm 4mV

1. Hold the cassette carriage at its down position without inserting any cassette.
2. Select VTR SERVICE 2/2.. in VTR MAIN menu using JOG, and press JOB button.
3. Select S_TORQUE in VTR SERVICE 2/2 menu using JOG, and press JOB button.
4. Monitoring the voltage at TP300 while locking the S-reel motor by hand, adjust VR300 so that the voltage comes in the specification.
5. After finishing the adjustment, exit the adjustment mode.

4. Tension Offset Voltage Adjustment

BOARD	RF & SERVO
M.POINT	TP400 (TENSION)
ADJUST	VR400
MODE	EJECT
TAPE	---
M.EQ.	Digital Voltmeter
SPEC.	2.5V \pm 0.1V

1. Monitoring the voltage at TP400, adjust VR400 so that the DC voltage comes in the specification.

5. Start/End Detect Sensitivity Adjustment

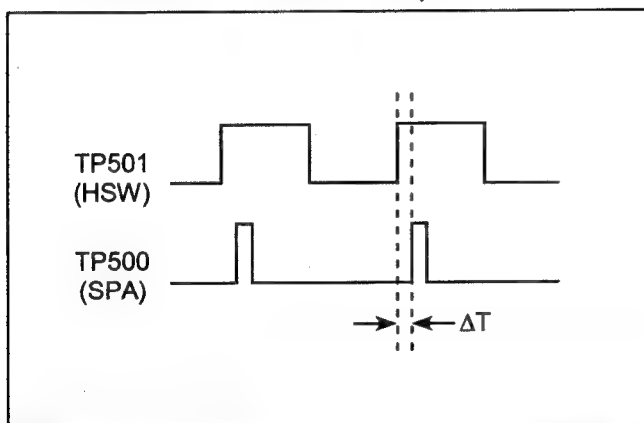
BOARD	RF & SERVO
M.POINT	---
ADJUST	VR601(Vs: S PHOTO), VR600 (Vt: T PHOTO)
MODE	STOP
TAPE	Tape for Start/End Detection
M.EQ.	Oscilloscope
SPEC.	2.2V \pm 0.6V

1. Select VTR SERVICE 2/2.. in VTR MAIN menu using JOG, and press JOB button.
2. Select T/S_PHOTO in VTR SERVICE 2/2 menu using JOG, and press JOB button.
3. Set the Tool for Tape Start/End Detect Level Adjustment.
4. Monitoring the waveform at T/S_PHOTO menu, adjust VR600 so that the "T*.V" comes in the specification.
5. Monitoring the waveform at T/S_PHOTO menu, adjust VR601 so that the "S*.V" comes in the specification.

6. PG Shifter Adjustment

BOARD	RF & SERVO
M.POINT	TP501(HSW), TP500 (SPA)
ADJUST	[VRT SERVICE 2/2] PG SHIFT
MODE	STOP
TAPE	VFM3110EDL (Color Bar)
M.EQ.	Oscilloscope
SPEC.	$\Delta T = 126.69 \pm 2.5 \mu s$

1. Select VTR SERVICE 2/2.. in VTR MAIN menu using JOG, and press JOB button.
2. Select PG SHIFT in VTR SERVICE 2/2 menu using JOG, and press JOB button.
3. Confirm that ΔT is within the specification.



7. Initial Setting

BOARD	
M.POINT	VIDEO OUT
ADJUST	
MODE	
TAPE	
M.EQ.	Color Monitor
SPEC.	

1. Turn on power while simultaneously pressing both ITEM SW and UP SW of Remote I/F tool.
2. Switch on No.1 of SW6300 on MAIN P.C.B and press MAIN menu button twice to enter RAM Editor mode.
3. Basic operation: Select items one by one using PAGE and ITEM buttons and change each setting with UP/DOWN buttons.
4. After selecting address FFE16C and setting its value on the right to "00", turn off power.

5. Switch off No.1 of SW6300 on MAIN P.C.B.

RAM Editor		English
FFE16C	55	PAL
FFE16D	00	E600
FFE16E	00	
FFE16F	00	
FFE170	00	
FFE171	00	
FFE172	00	
FFE173	00	
FFE174	00	
FFE175	00	

8. Model Setting 1

BOARD	
M.POINT	VIDEO OUT
ADJUST	
MODE	
TAPE	
M.EQ.	Color Monitor
SPEC.	

1. Turn on power while simultaneously pressing both ITEM SW and UP SW to enter RAM Edit or mode.
2. Switch on No.1 of SW6300 on MAIN P.C.B. and press MAIN menu button twice to enter RAM Editor mode.
3. Select E600 (English PAL).
4. Switch off No.1 of SW6300 on MAIN P.C.B.

RAM Editor		English
FFE100	55	PAL
FFE101	00	E600
FFE102	00	
FFE103	00	
FFE104	00	
FFE105	00	
FFE106	00	
FFE107	00	
FFE108	00	
FFE109	00	

9. Model Setting 2

BOARD	
M.POINT	VIDEO OUT
ADJUST	
MODE	
TAPE	
M.EQ.	Color Monitor, Vector Scope
SPEC.	714mV \pm 15mV

1. Turn on power while simultaneously pressing both ITEM SW and UP SW to enter RAM Editor mode.
2. Switch on No.1 of SW6300 on MAIN P.C.B. and press MAIN menu button twice to enter RAM Editor mode.
3. Check to be sure that the 100% color bar signal voltage is within the specification, and if it is out of the specification, adjust it by setting the address to FF21C.
4. Set the address to FFE21, and adjust the color bar signal level so that the chrominance dots comes in each square frame on the vector scope. (Initial value: E0)
5. Set the address to FFE21, and adjust the color bar signal level so that the color burst level be comes 75% on the vector scope.
6. Switch off No.1 of SW6300 on MAIN P.C.B.

RAM		English
FFE21E	E0	PAL
FFE21F	F8	E600
FFE220	00	
FFE221	00	
FFE222	00	
FFE223	00	
FFE224	00	
FFE225	00	
FFE226	00	
FFE227	00	

10. INT Frequency Adjustment

BOARD	MAIN
M.POINT	TP8001
ADJUST	VR8283
MODE	
TAPE	
M.EQ.	Frequency Counter
SPEC.	28.63636MHz \pm 10Hz

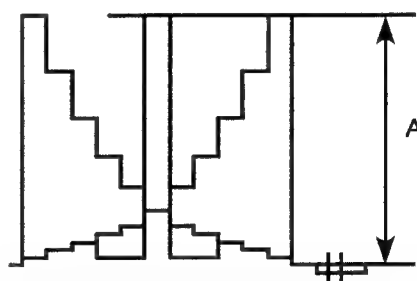
1. Monitoring the frequency at TP8001, adjust VR8283 so that the frequency comes in the specification.

Note) Disconnect the GEN LOCK when adjusting this frequency.

11. G-ch. Input Level Adjustment

BOARD	MAIN
M.POINT	TP201
ADJUST	Lens Iris
OBJ. CHAR T	2000Lux, 3200°K, Gray Scale
TAPE	---
M.EQ.	Oscilloscope
SPEC.	A = 300mV \pm 5mV

1. Monitoring the waveform at TP201, adjust Lens Iris so that the voltage level comes in the specification.

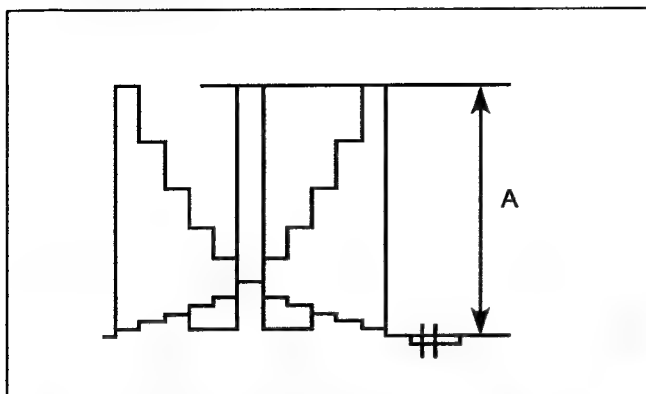


12. Pre-Amp. R/B-ch Output Level Adjustment

BOARD	PREAMP
M.POINT	TP101, TP301(MAIN P.C.B.)
ADJUST	R155, R555 (PREAMP P.C.B.)
OBJ. CHAR T	2000Lux, 3200°K, Gray Scale
TAPE	---
M.EQ.	Oscilloscope
SPEC.	A = 300mV \pm 5mV

1. Monitoring the waveform at TP101, adjust R555 so that the voltage level comes in the specification.
2. Monitoring the waveform at TP301, adjust R155 so that the voltage level comes in the specification.

Note) Take note that the order of R, G, B arrangement is reversed each other between PREAMP P.C.B. and MAIN P.C.B.

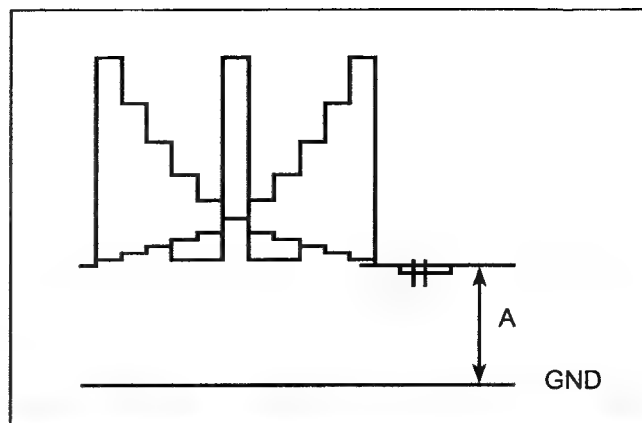


13. Pre-Amp. Output DC Level Adjustment

BOARD	PREAMP
M.POINT	TP101, TP201, TP301(MAIN P.C.B.) TP101(R-ch), TP201(G-ch), TP301(B-ch)
ADJUST	R163, R363, R563 (PREAMP P.C.B.) R163(R-ch), R363(G-ch), R563(B-ch)
OBJ. CHAR T	2000Lux, 3200°K, Gray Scale
TAPE	---
M.EQ.	Oscilloscope
SPEC.	A = R-ch / G-ch.: 100mV \pm 5mV, B-ch.: 300mV \pm 5mV

1. Monitoring the waveform at TP101, adjust R563 so that DC level A comes in the specification.
2. Monitoring the waveform at TP201, adjust R363 so that DC level A comes in the specification.
3. Monitoring the waveform at TP301, adjust R163 so that DC level A comes in the specification.
4. According to 12, monitor the Pre-amp. R/B-ch Output Level, and if the level is out of the specification, adjust it again, then make this DC level adjustment again, and repeat these adjustments until each level comes in its specification.

Note) Take note that the order of R, G, B arrangement is reversed each other between PREAMP P.C.B. and MAIN P.C.B.

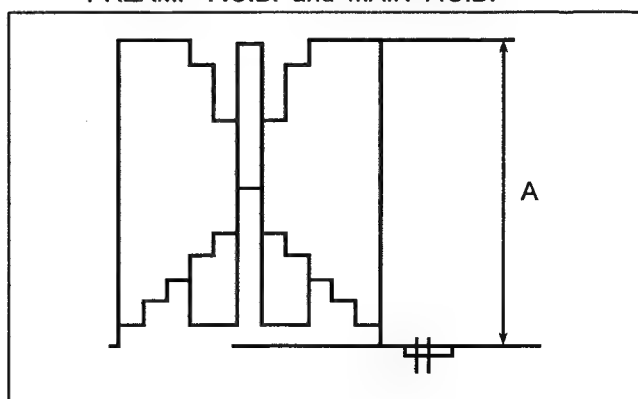


14. White Clip Level Adjustment

BOARD	PREAMP
M.POINT	TP101(R-ch.), TP201(G-ch.), TP301(B-ch.) (MAIN P.C.B.)
ADJUST	R705(R-ch), R701(B-ch), R707(B-ch) (PREAMP P.C.B.)
OBJ. CHAR T	2000Lux, 3200°K, Gray Scale
TAPE	---
M.EQ.	Oscilloscope
SPEC.	A = 1200mV \pm 20mV

1. Open the Iris to the full.
2. Monitoring the waveform at TP7101(R-ch), adjust R707 so that the level A comes in the specification.
3. Monitoring the waveform at TP7201(G-ch), adjust R701 so that the level A comes in the specification.
4. Monitoring the waveform at TP7301(B-ch), adjust R705 so that the level A comes in the specification.

Note) Take note that the order of R, G, B arrangement is reversed each other between PREAMP P.C.B. and MAIN P.C.B.



15. Auto Adjustment: Color Temperature 3200°K

BOARD	
M.POINT	
ADJUST	
OBJ. CHAR T	Gray Scale for Auto Adjustment
TAPE	----
M.EQ.	Color Monitor
SPEC.	

1. Set Optical Filter 1.
2. Turn ON power while simultaneously pressing ITEM SW, UP SW, and DOWN SW to enter AUTO ADJUST mode.
3. Switch on No.1 of SW6300 on MAIN P.C.B. and press MAIN menu button twice to enter RAM Editor mode.
4. Select Iris Memory in Auto Adjust menu and press UP SW.
5. Select Auto Adjust in Auto Adjust menu and press UP SW. Then, the Auto Adjustment starts.
6. After OK is displayed, turn off power.
7. Switch off No.1 of SW6300 on MAIN P.C.B.

```

** Auto Adjust **
Iris Memory      81
Auto Adjust      Step    00    OK
1.Pedestal       00     00    00
2.Pulcan         00     00    00
3.Gain           00     00    00
4.Gamma          00     00    00
5.Flare          00
6.S.W            8 0 8 0 7 f 8 1 7 e 8 1 7 c 8 2
3200K Adjust     00     00    OK
ABC ADJ R±0      AWC  ADJ  R±0
ABC ADJ B±0      AWC  ADJ  B±0

```

16. Auto Adjustment: Color Temperature 5600°K

BOARD	
M.POINT	
ADJUST	
OBJ. CHAR T	Gray Scale for Auto Adjustment
TAPE	----
M.EQ.	Color Monitor
SPEC.	

1. Set Optical Filter 3.
2. Select 5600°K Adjust in Auto Adjust mode and press UP SW. Then, the Auto Adjustment starts.
3. After OK is displayed, turn off power and reset Optical Filter 1.
4. Switch off No.1 of SW6300 on MAIN P.C.B.

```

** Auto Adjust **
Iris Memory      81
Auto Adjust      Step    00    OK
1.Pedestal       00     00    00
2.Pulcan         00     00    00
3.Gain           00     00    00
4.Gamma          00     00    00
5.Flare          00     00    00
6.S.W            8 0 8 0 7 f 8 1 7 e 8 1 7 c 8 2
5600K Adjust     00     00    OK
ABC ADJ R±0      AWC  ADJ  R±0
ABC ADJ B±0      AWC  ADJ  B±0

```

23. Real-Time Clock Confirmation

BOARD	MAIN
M.POINT	TP6100(RTC CLK)
ADJUST	VC6100
MODE	STOP
TAPE	----
M.EQ.	Frequency Counter
SPEC.	2.048000kHz \pm 0.000020kHz

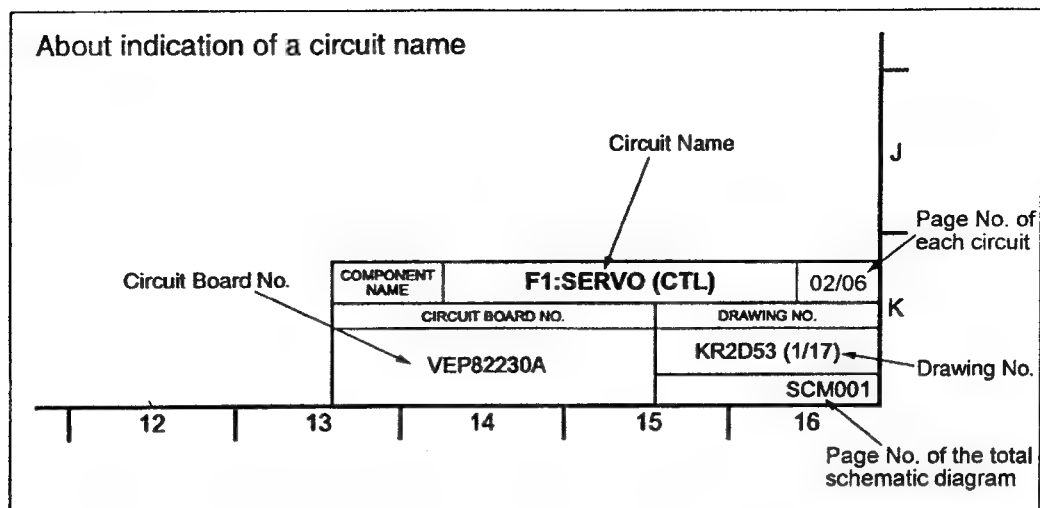
1. Monitor the frequency at TP6100 to be in the specification.
2. If the frequency is out of the specification, adjust VC6100.

Note) Measure the frequency at the time when the MAIN P.C.B. is cool.

24. PB Level Adjustment

BOARD	VTR MAIN (AUDIO)
M.POINT	AUDIO OUT (CH1/CH2) RCA Pin-Jack on the left
ADJUST	VR4400(CH1), VR4401(CH2)
MODE	PLAY
TAPE	Alignment Tape (Color Bar)
M.EQ.	Audio Analyzer
SPEC.	-6dBu \pm 0.5dBu

1. Playback the Alignment Tape and adjust VR4400(CH1) and VR4401(CH2) so that the audio output level comes in the specification.



NOTE

BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST, SECTION9.

CAUTION

THE ☐ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. / PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:

COMPONENTS IDENTIFIED WITH THE MARK HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. / WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

5.1. MAIN (VEP83551E)

5.2. RF & SERVO (VEP82241A)

5.3. VTR SUB (VEP83548B)

5.4. PRE AMP3 (VEP83564A, WE600EKE1B, WE600PKY1A)

5.5. POWER (VEP81220A)

5.6. REAR JACK (VEP80C06B)

5.7. AV_OUT (VEP80C07A)

5.8. 1394_JACK (VEP80C09A)

- 5.9. R_SIDE (VEP80B98A)**
- 5.10. SCENE_FILE (VEP80B99A)**
- 5.11. AUTO_IRIS (VEP80C00A)**
- 5.12. LED (VEP80C01B)**
- 5.13. TOGGLE SW (VEP80B94A)**
- 5.14. FRONT TOGGLE SW (VEP80C02A)**
- 5.15. REMOTE MAINTENANCE (VEP80C20A)**
- 5.16. MENU_JOG (VEP80B96A)**
- 5.17. POWER_SW (VEP80B97A)**
- 5.18. HEAD_PHONE (VEP000U0A)**
- 5.19. FRONT_MIC (VEP80C12B)**
- 5.20. DRIVE (WE600EKF1B)**
- 5.21. FILTER (VEP000W0A)**

6. Circuit Board Diagrams

NOTE

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IMPORTANT SAFETY NOTICE:

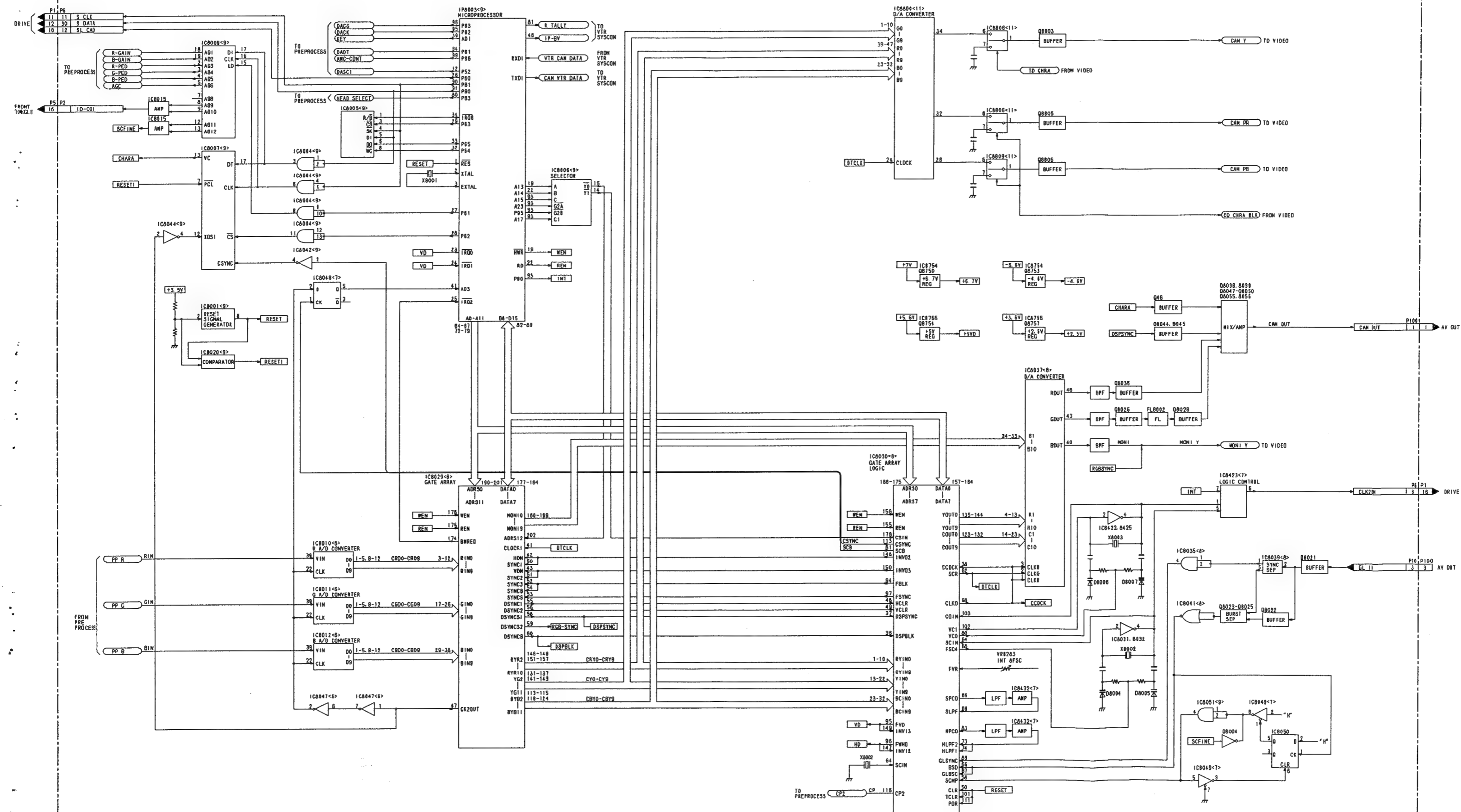
COMPONENTS IDENTIFIED WITH THE MARK  HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. / WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

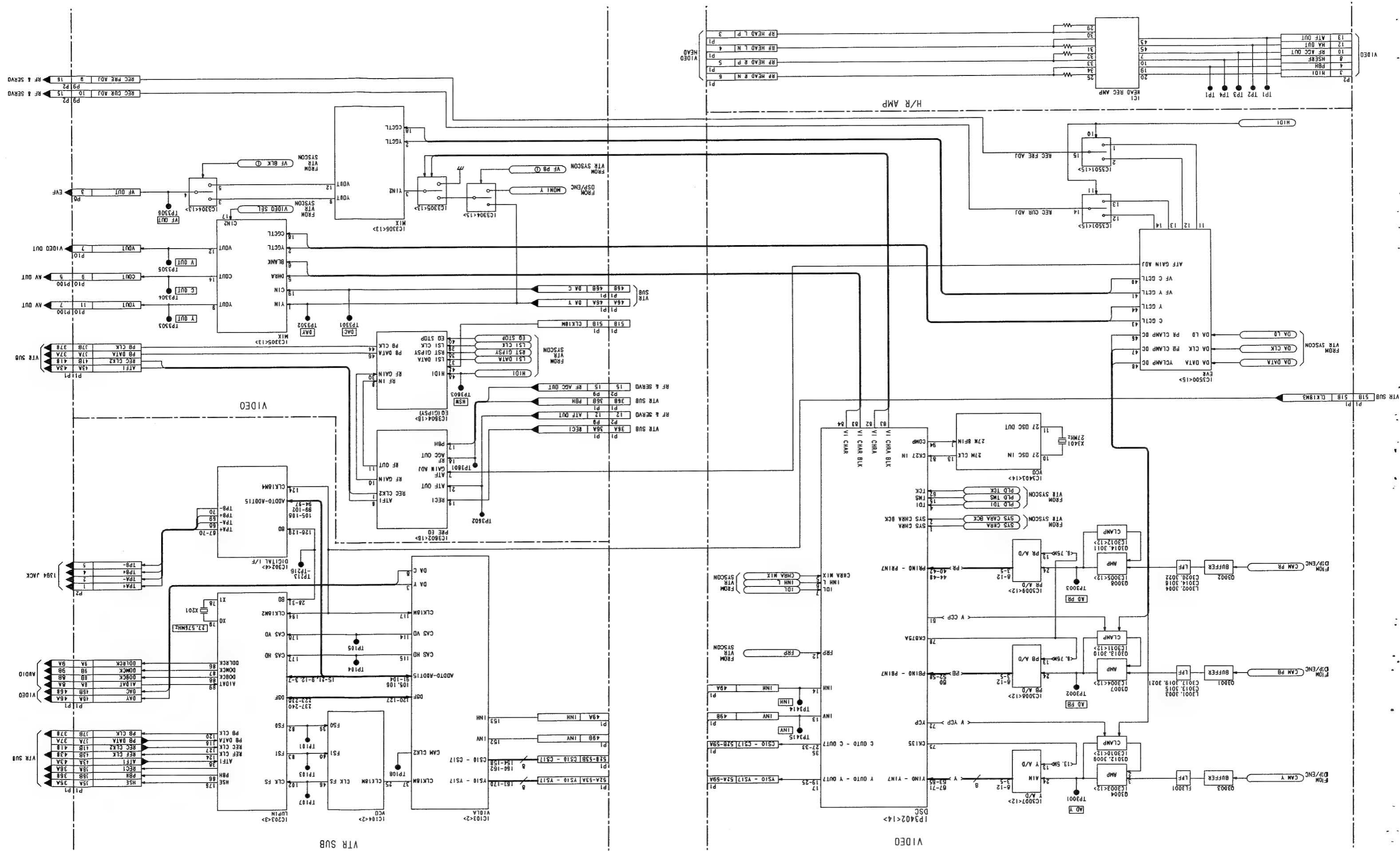
6.1. MAIN C.B.A (VEP83551E)

6.2. REMOTE MAINTENANCE C.B.A. (VEP80C20A)

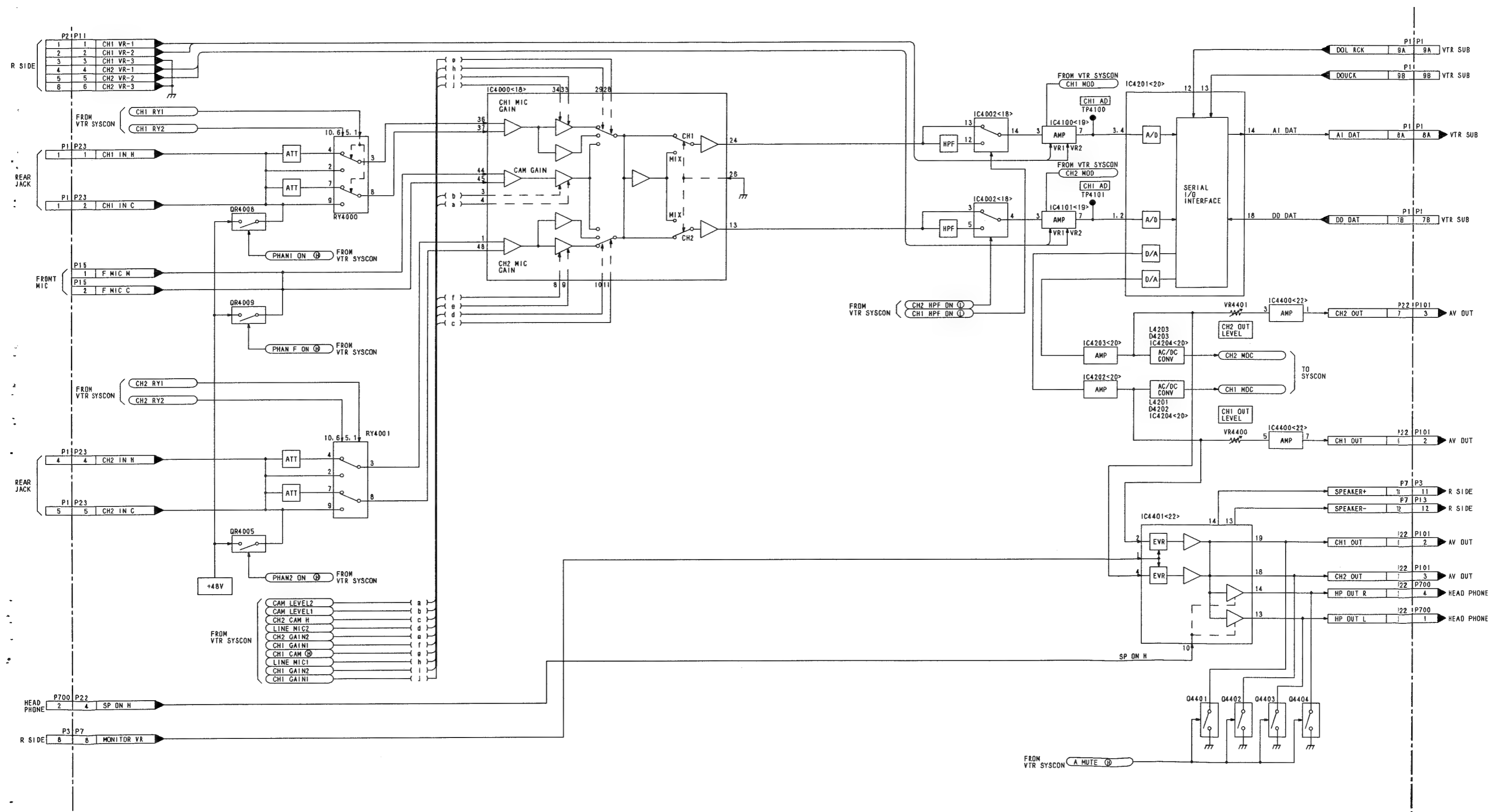
- 6.3. RF & SERVO C.B.A (VEP82241A)**
- 6.4. VTR SUB C.B.A (VEP83548B)**
- 6.5. VTR S/S C.B.A (VEP80C03A)**
- 6.6. REAR JACK C.B.A (VEP80C06B)**
- 6.7. AV OUT C.B.A (VEP80C07A)**
- 6.8. FILTER C.B.A (VEP000W0A)**
- 6.9. DRIVE C.B.A (WE600EKF1B)**
- 6.10. POWER C.B.A (VEP81220A)**
- 6.11. PREAMP2 C.B.A (WE600PKY1A)**
- 6.12. PREAMP C.B.A (WE600EKE1B)**
- 6.13. 1394 JACK C.B.A (VEP80C09A)**
- 6.14. SCENE FILE C.B.A (VEP80B99A)**
- 6.15. R SIDE C.B.A (VEP80B98A)**
- 6.16. AUTO IRIS C.B.A (VEP80C00A)**
- 6.17. LED C.B.A (VEP80C01B)**
- 6.18. POWER SW C.B.A (VEP80B97A)**
- 6.19. TOGGLE SW C.B.A (VEP80B94A)**
- 6.20. FRONT TOGGLE SW C.B.A (VEP80C02A)**
- 6.21. MENU JOG C.B.A (VEP80B96A)**
- 6.22. BREAKER C.B.A (VEP80C08A)**
- 6.23. HEAD PHONE C.B.A (VEP000U0A)**
- 6.24. FRONT MIC C.B.A (VEP80C12B)**

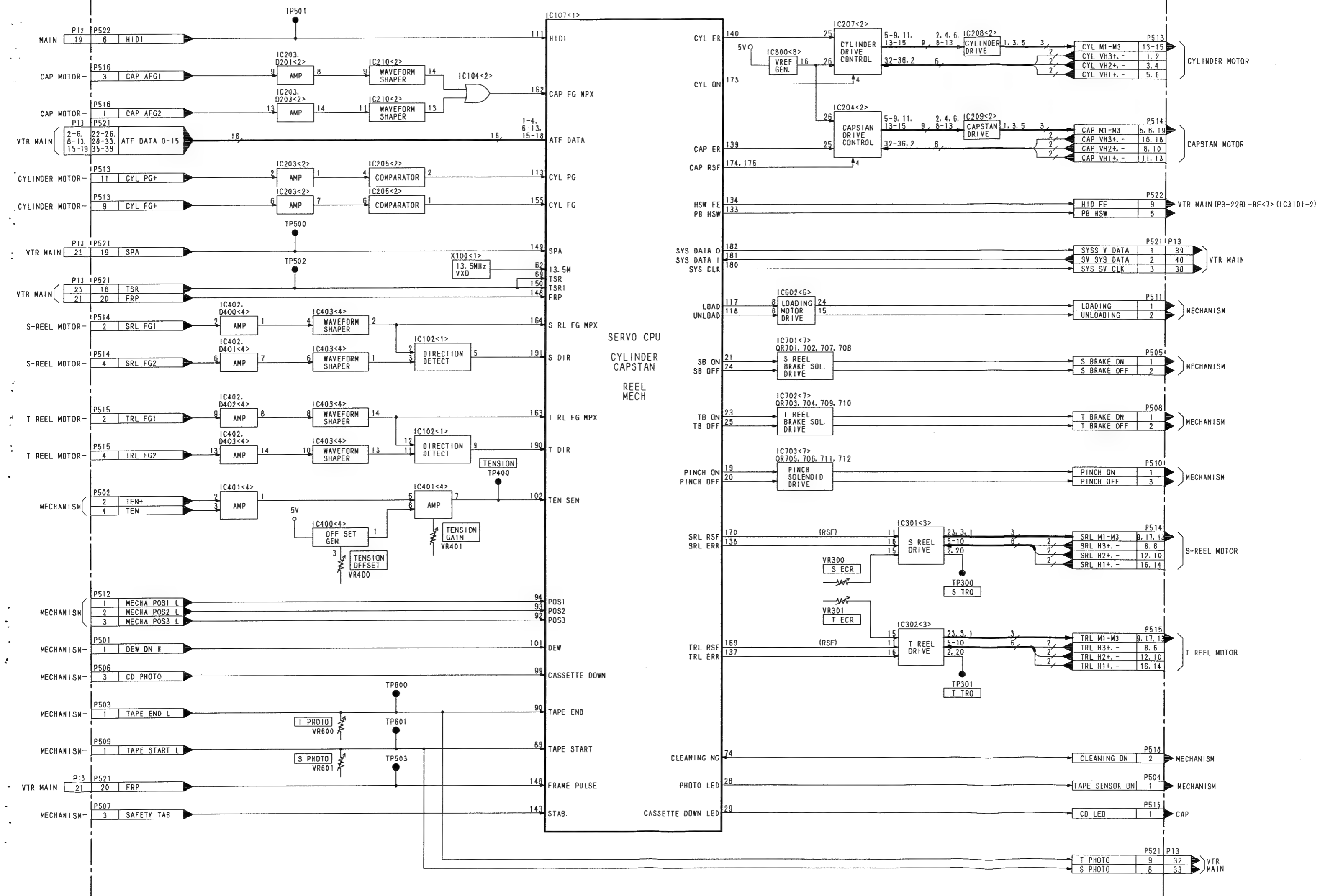
7. Mechanical Replacement Parts List & Exploded Views

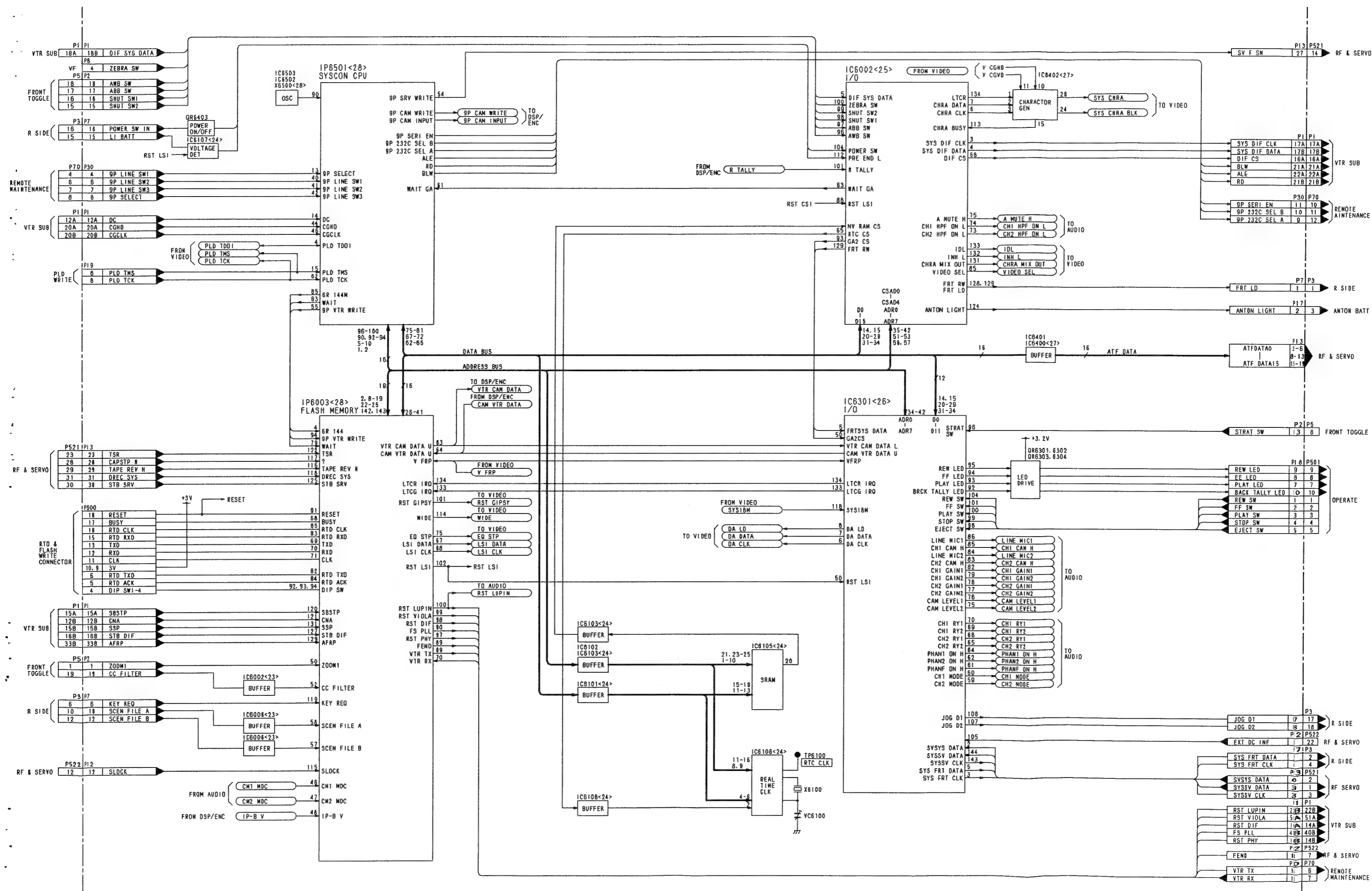


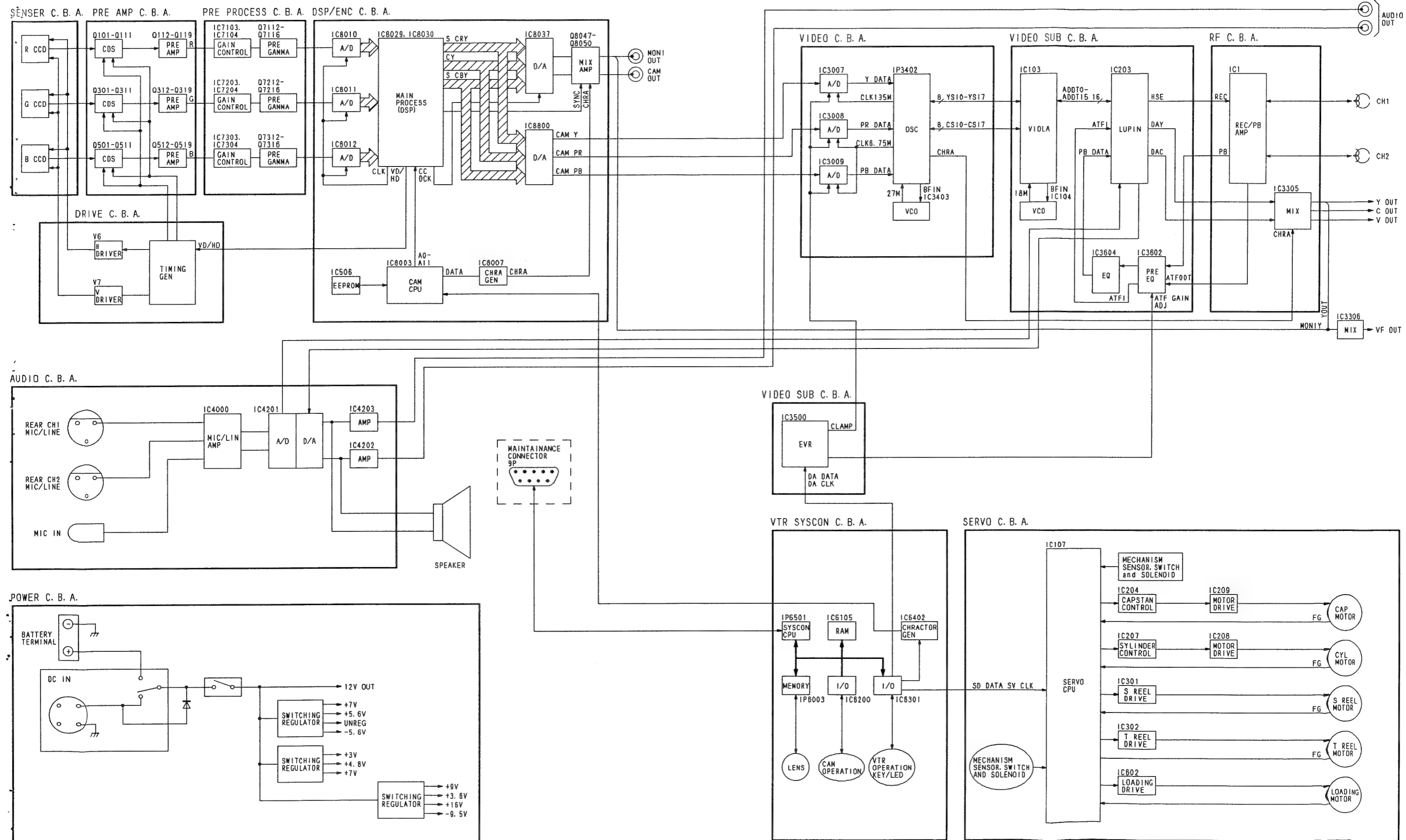


VTR SUB

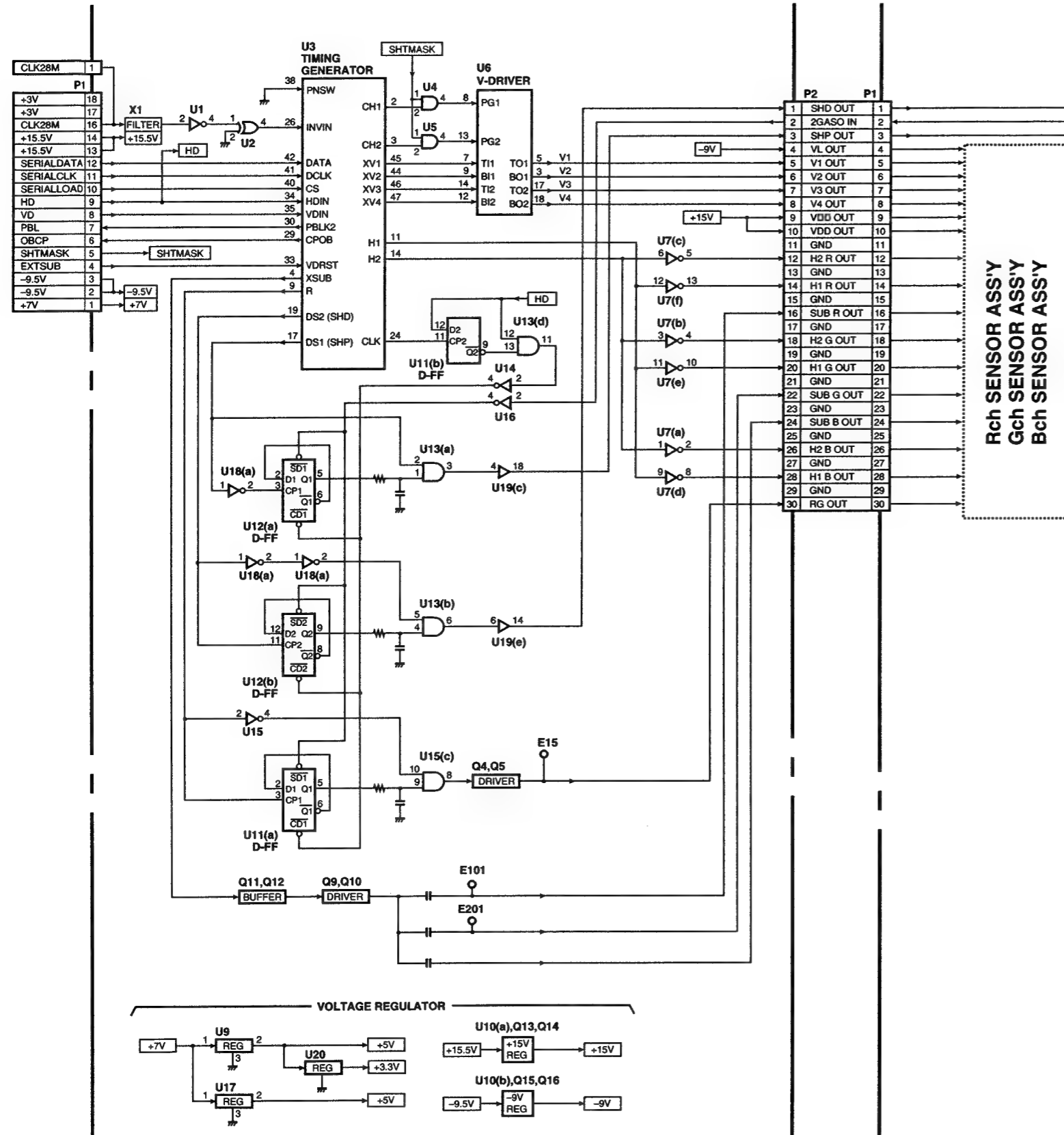




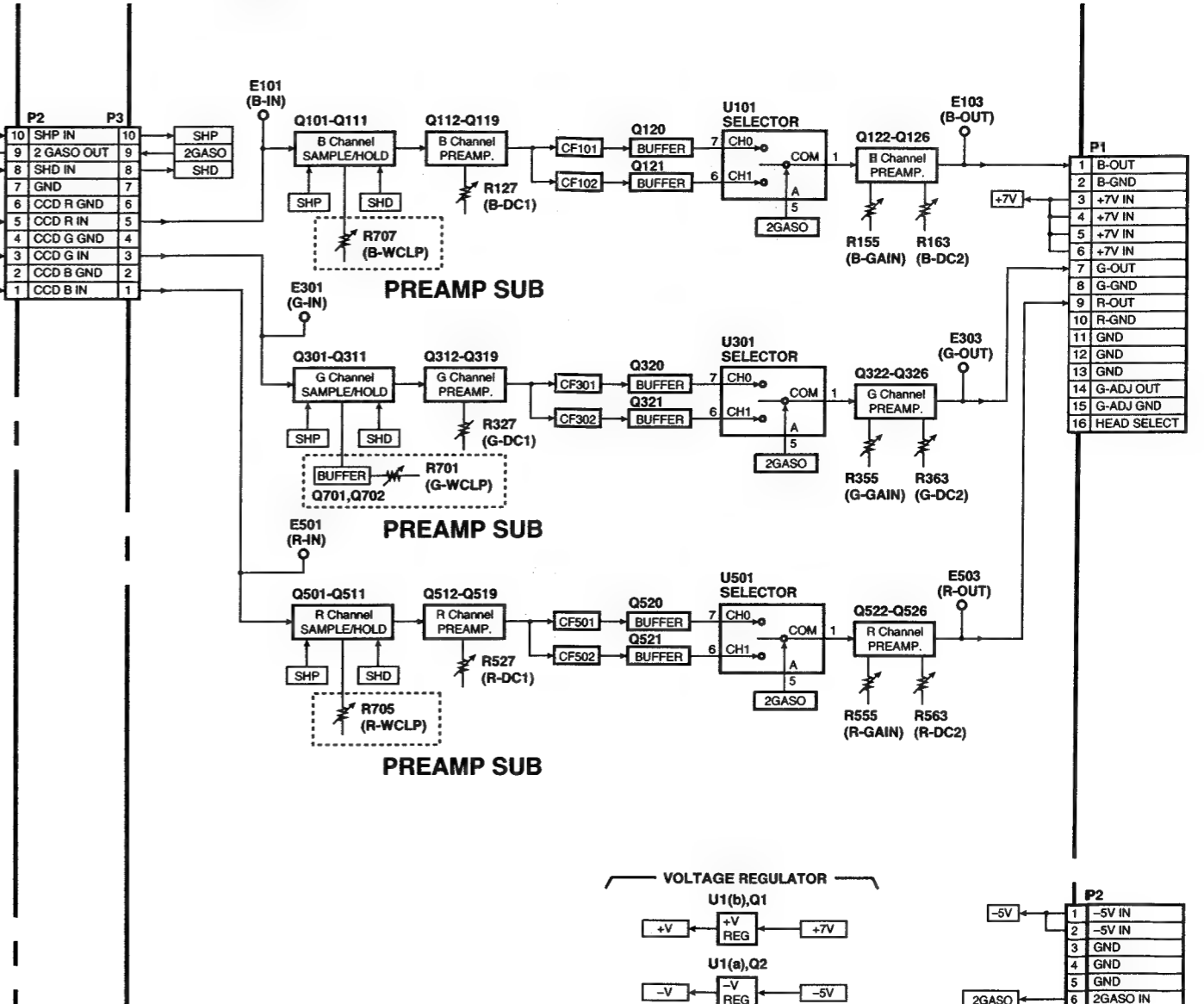


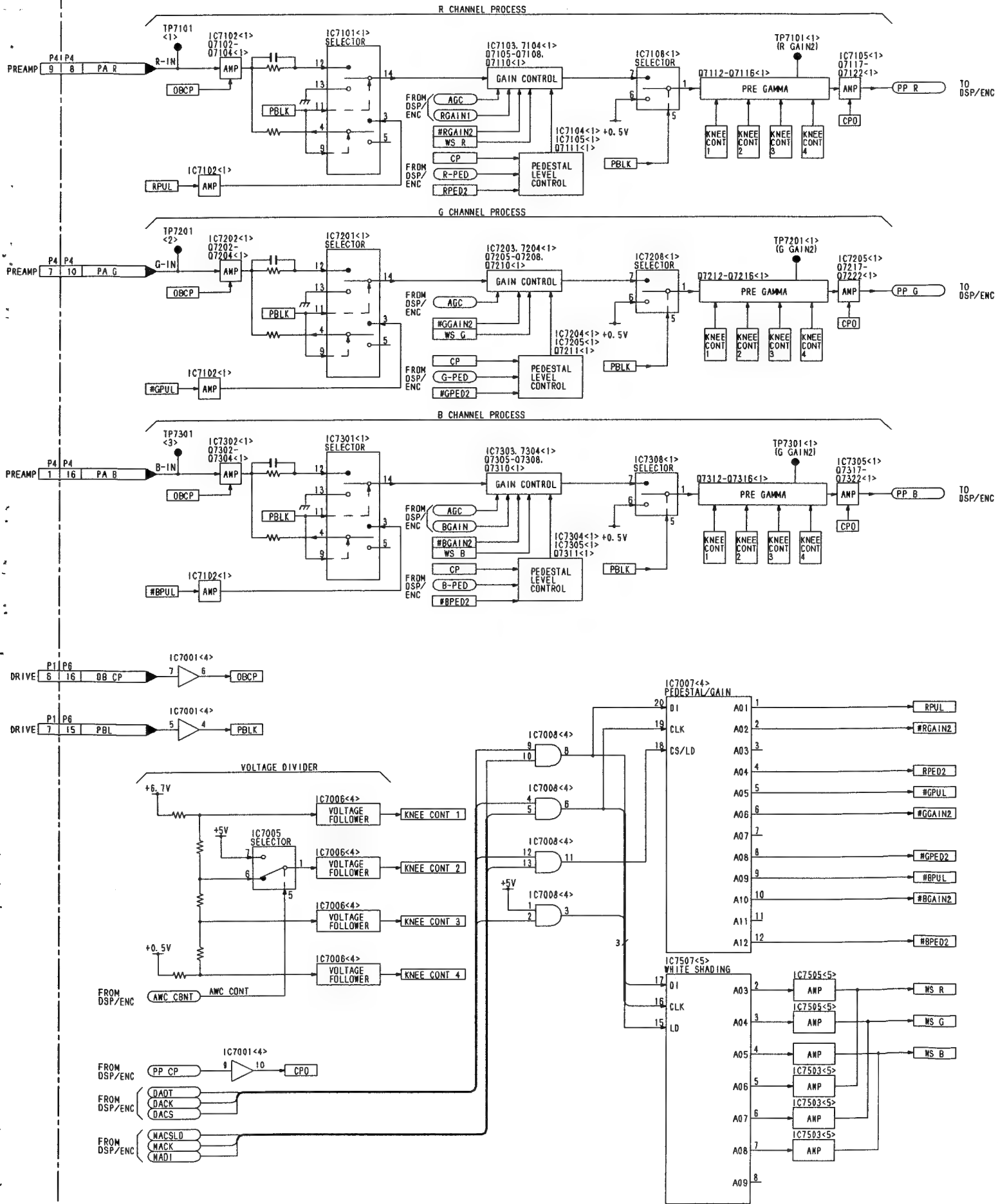


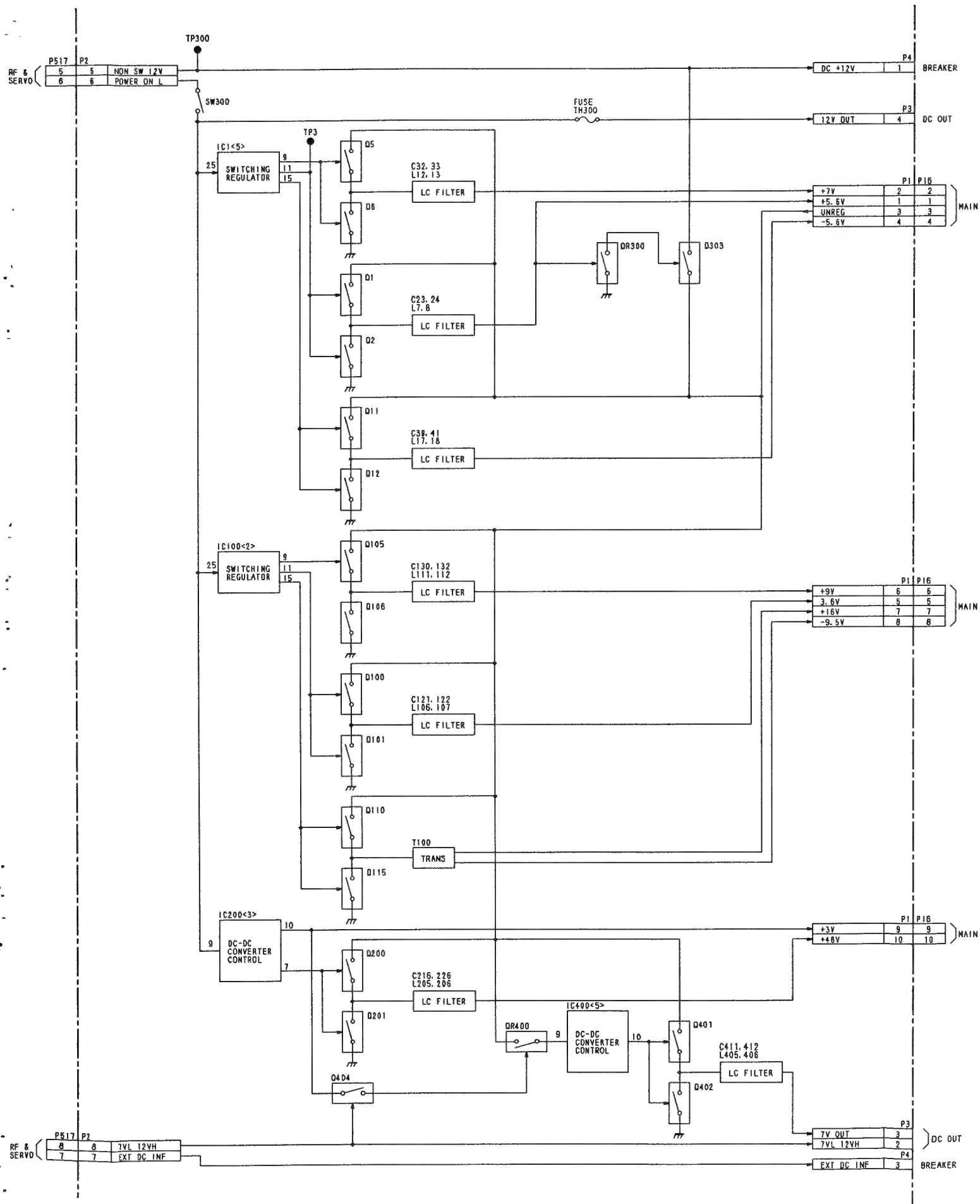
DRIVE

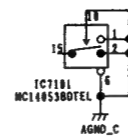
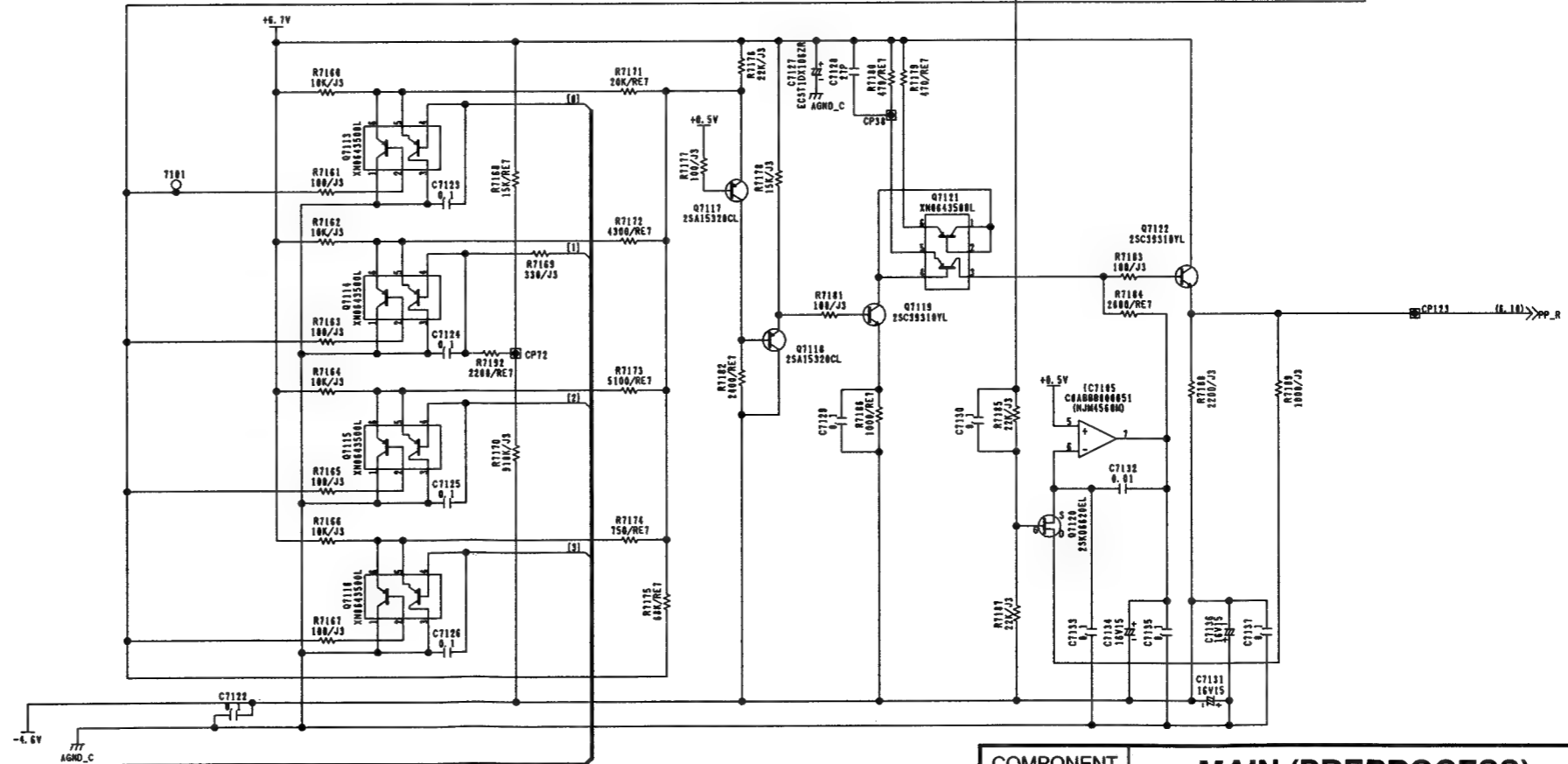
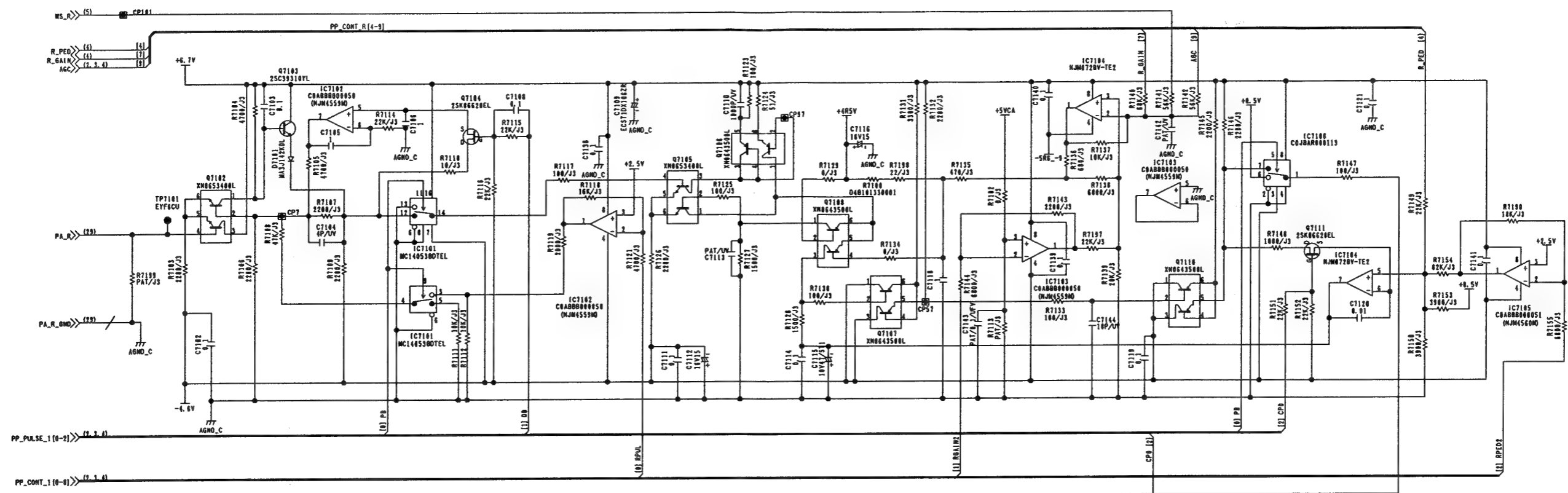


PREAMP

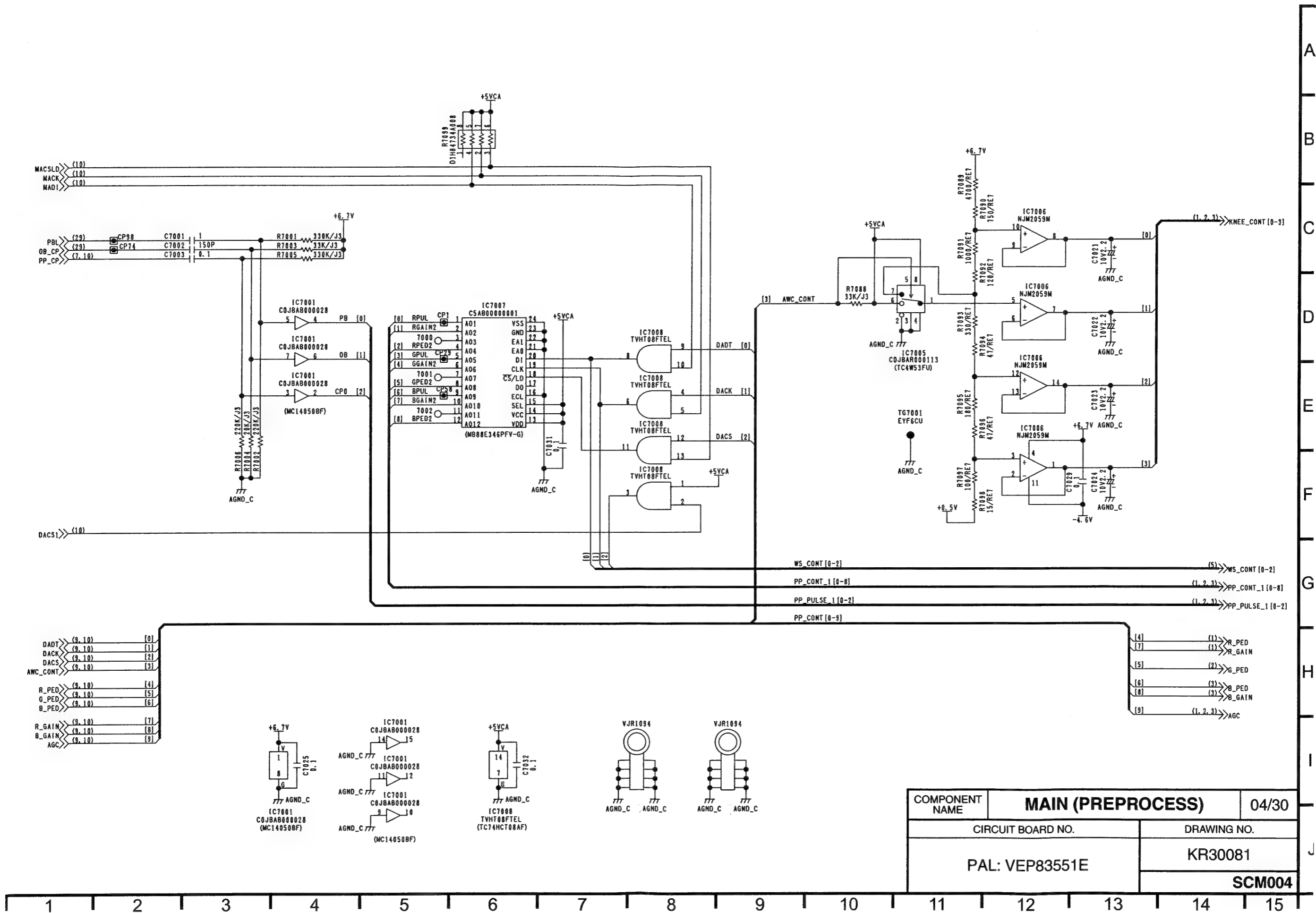


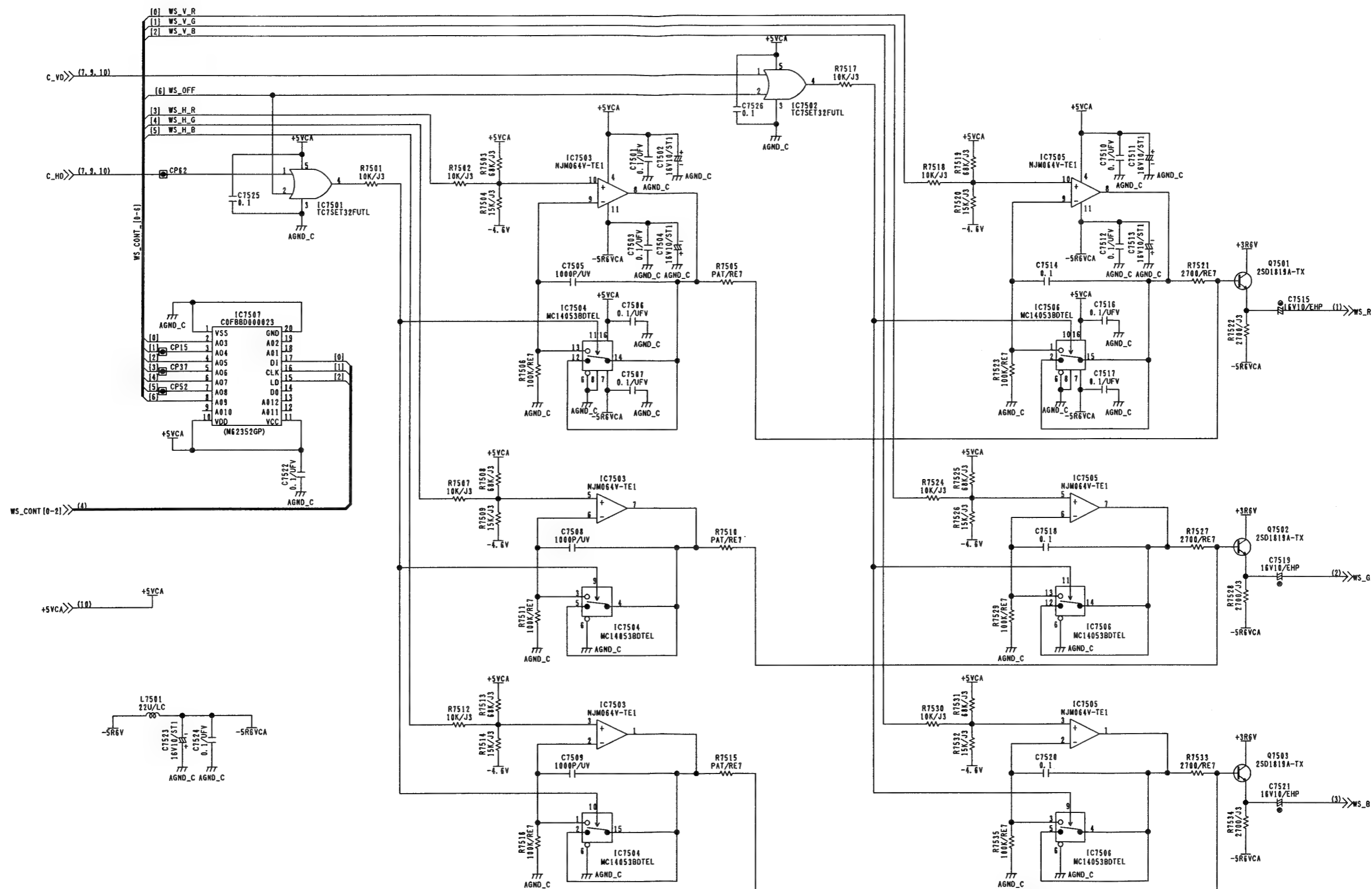




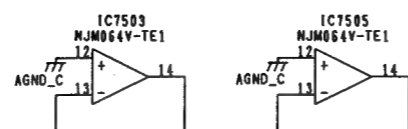


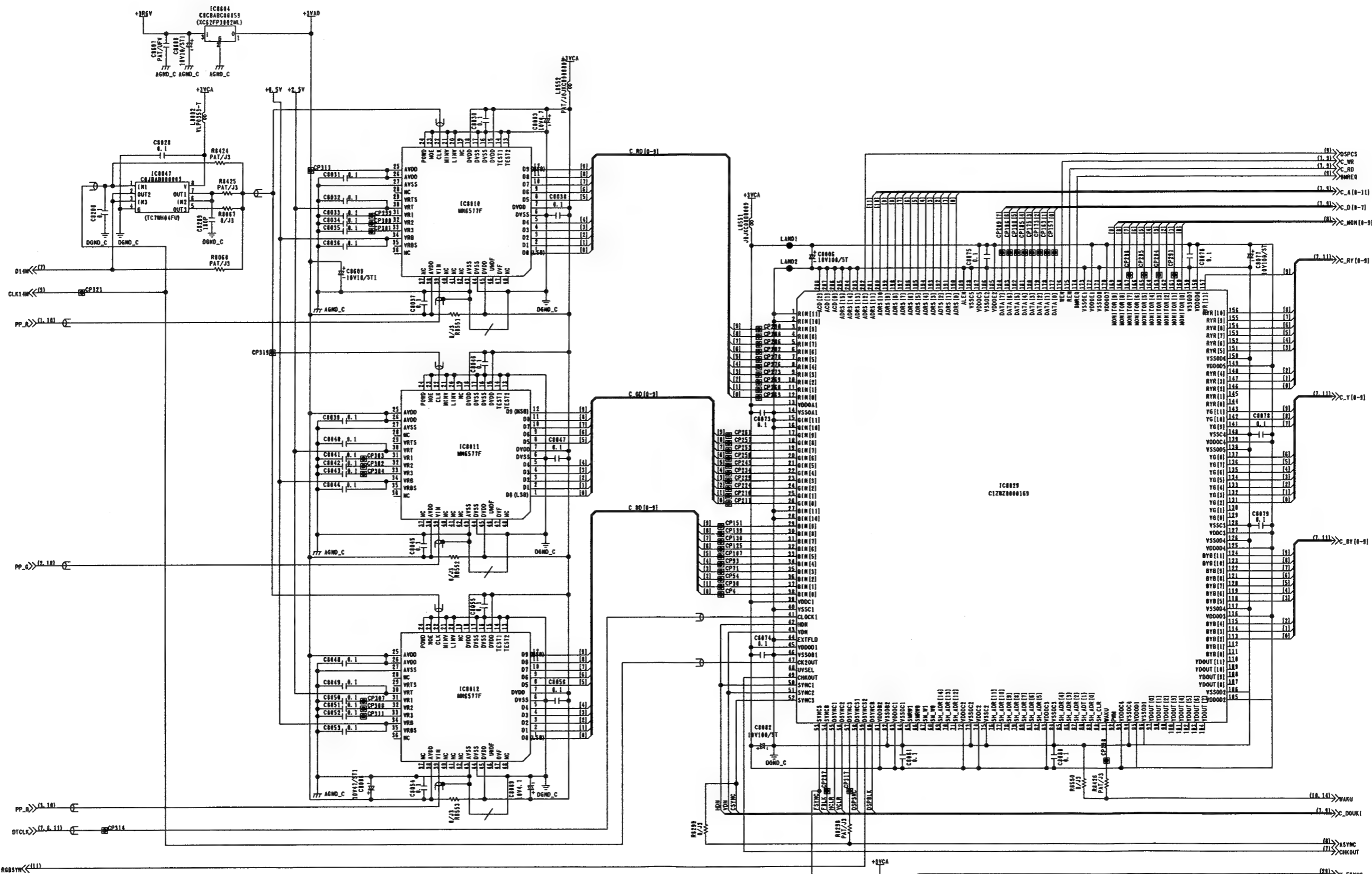
COMPONENT NAME	MAIN (PREPROCESS)	01/30
CIRCUIT BOARD NO.	DRAWING NO.	
PAL: VEP83551E	KR30081	
	SCM001	



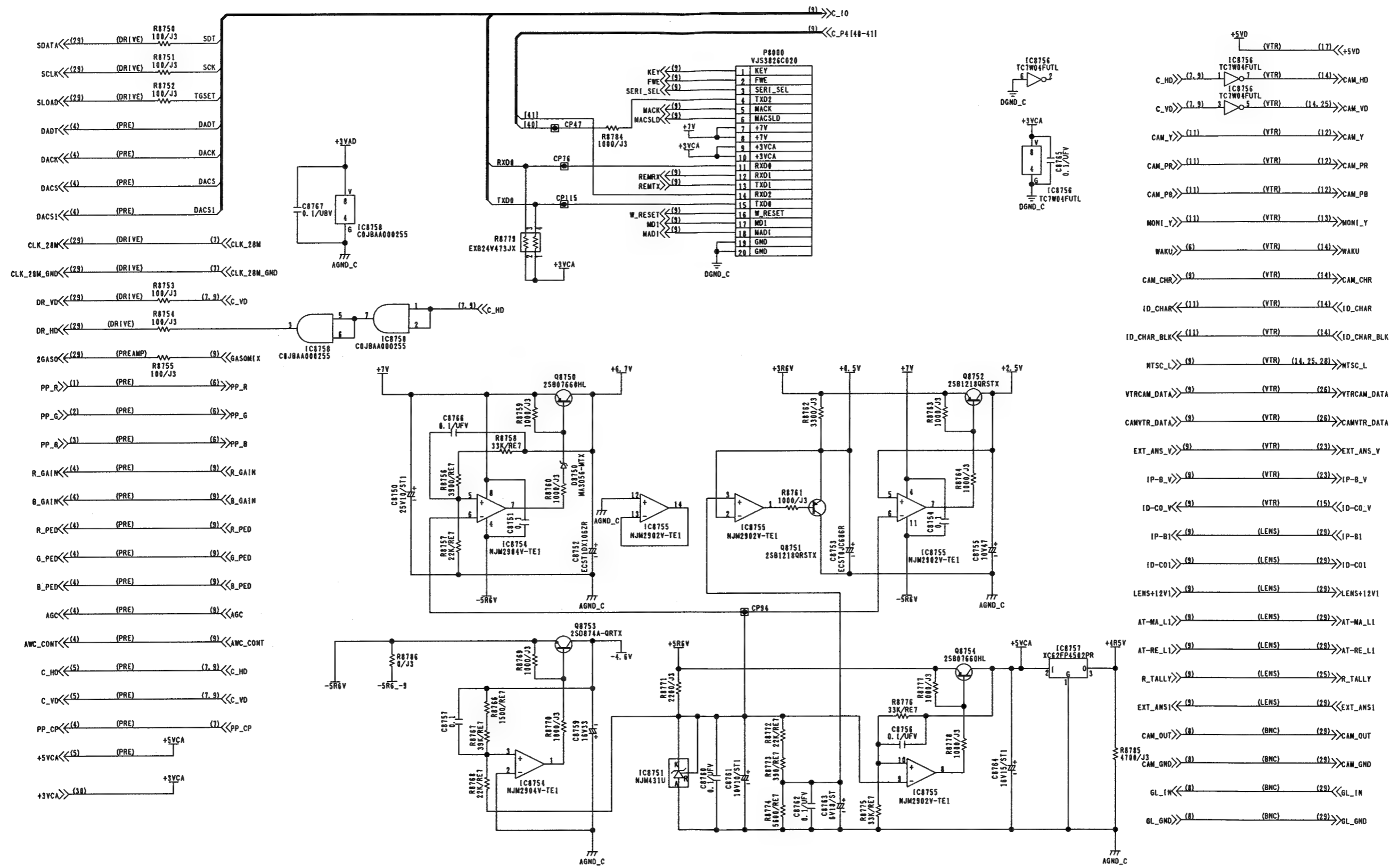


COMPONENT NAME	MAIN (PREPROCESS)	05/30
CIRCUIT BOARD NO.	DRAWING NO.	
PAL: VEP83551E	KR30081	
	SCM005	





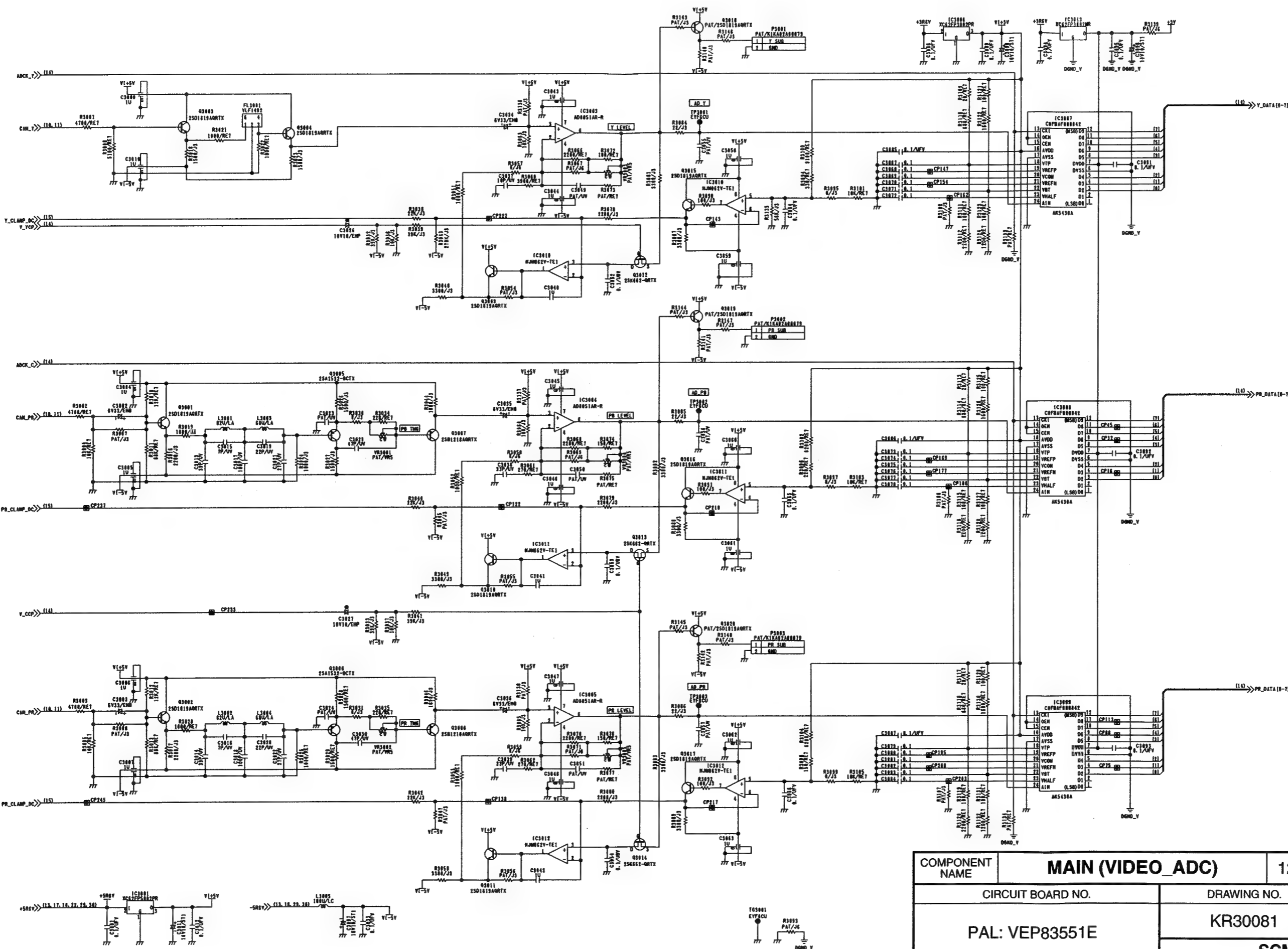
COMPONENT NAME	MAIN (DSP_ENC)	06/30
CIRCUIT BOARD NO.	DRAWING NO.	
PAL: VEP83551E	KR30081	
	SCM006	



COMPONENT NAME	MAIN (DSP_ENC)	10/30
CIRCUIT BOARD NO.	DRAWING NO.	
PAL: VEP83551E	KR30081	
	SCM010	

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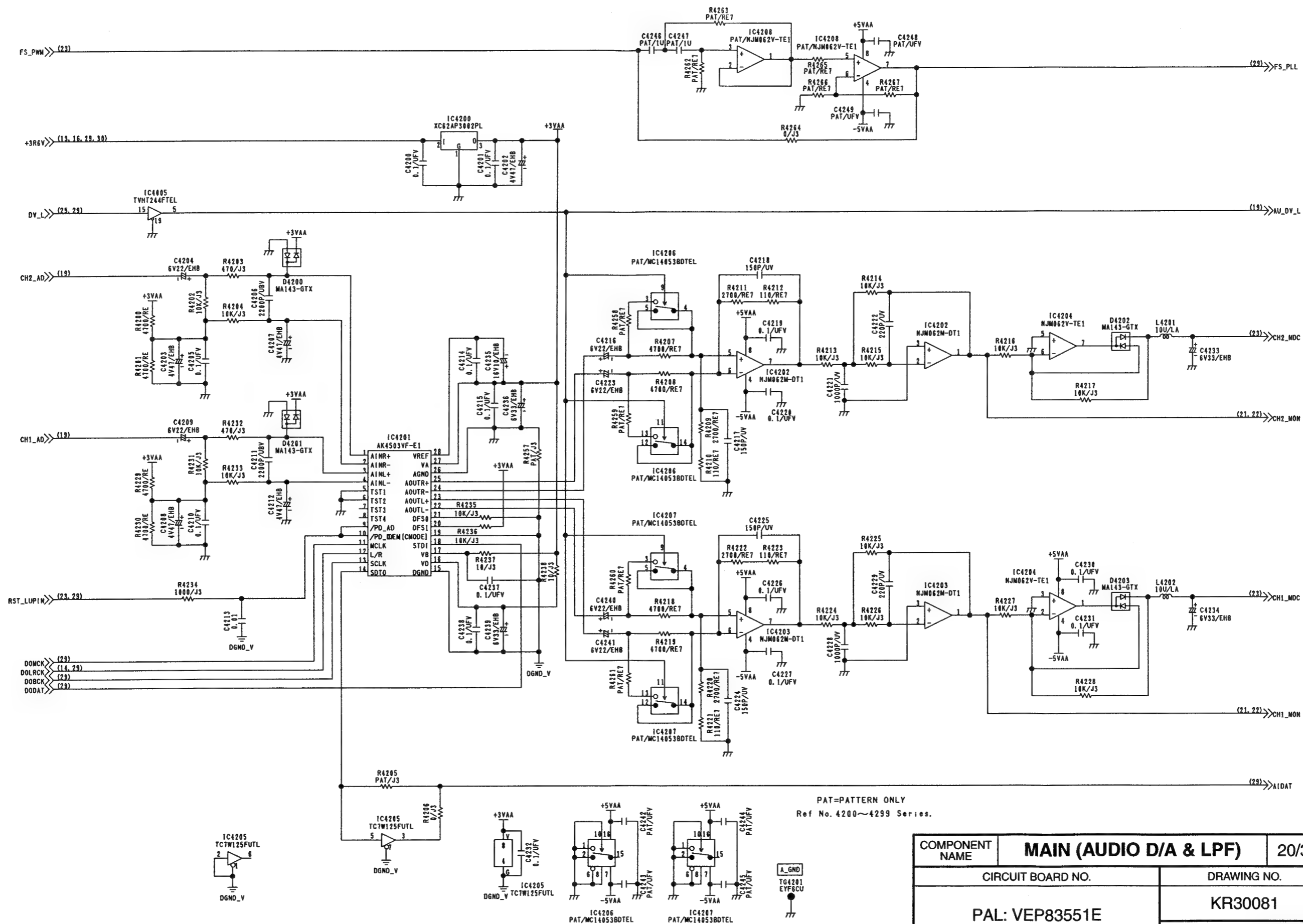


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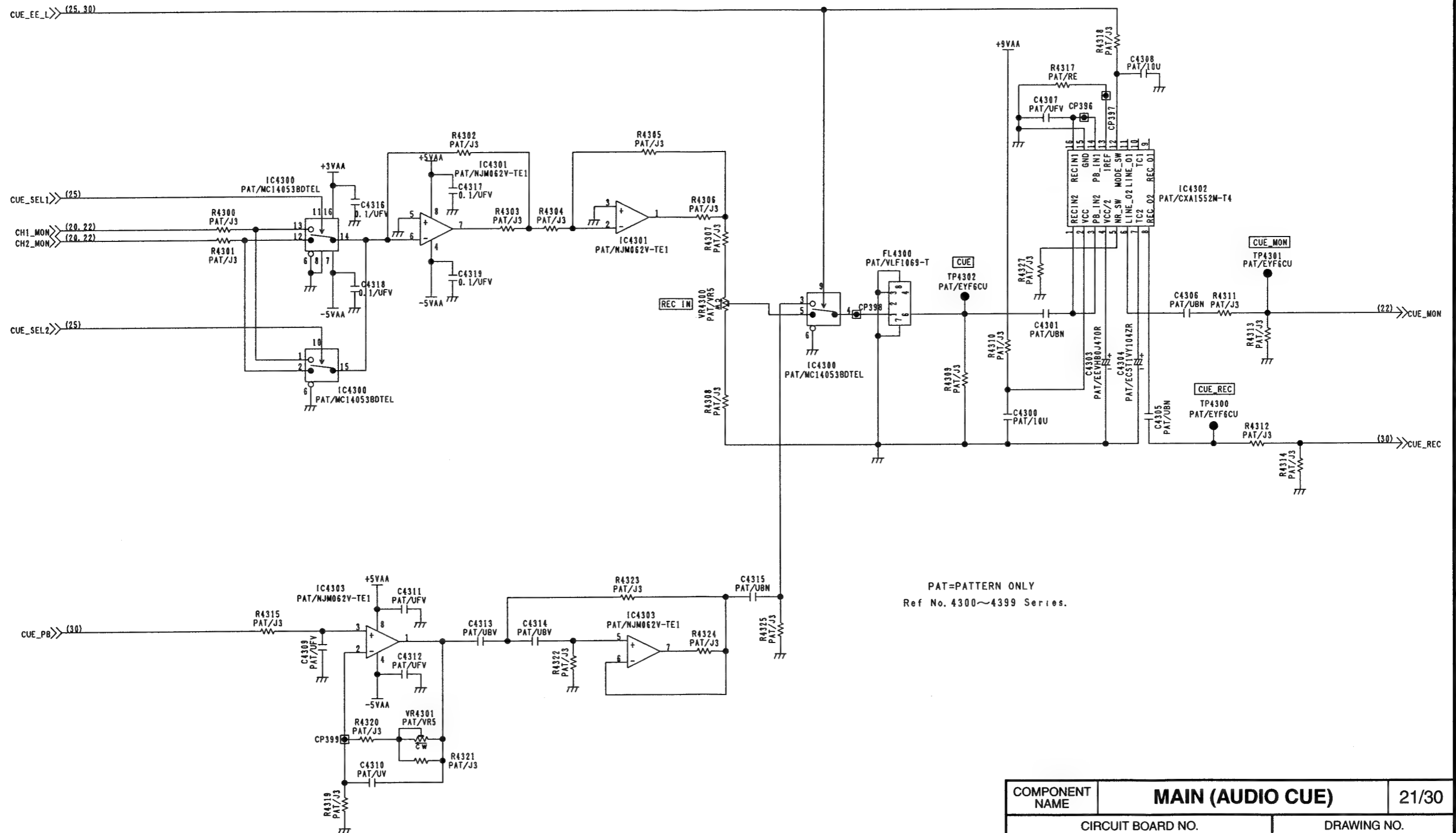


A horizontal number line with tick marks at every integer from 1 to 15. The numbers are labeled below the line.

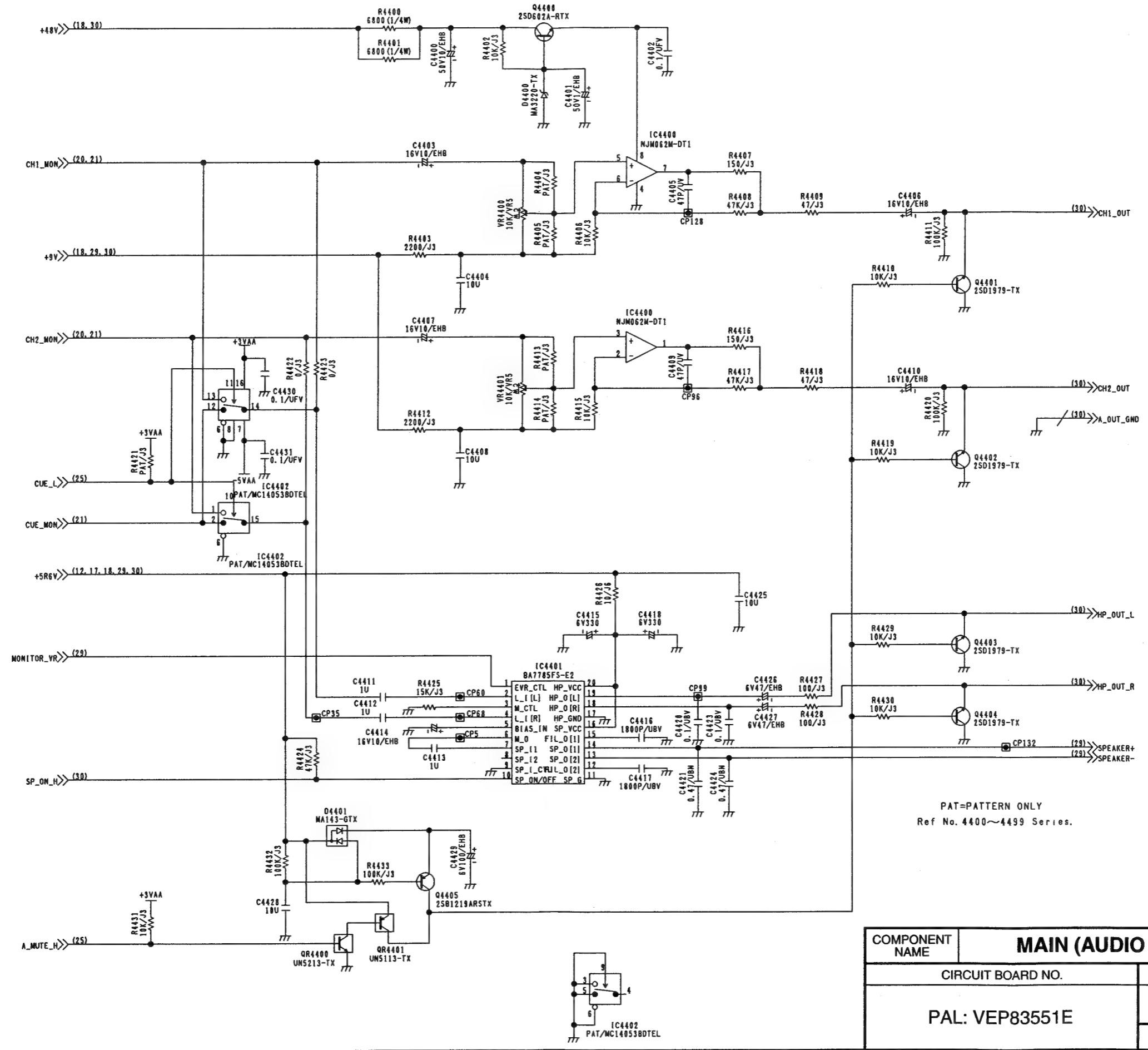


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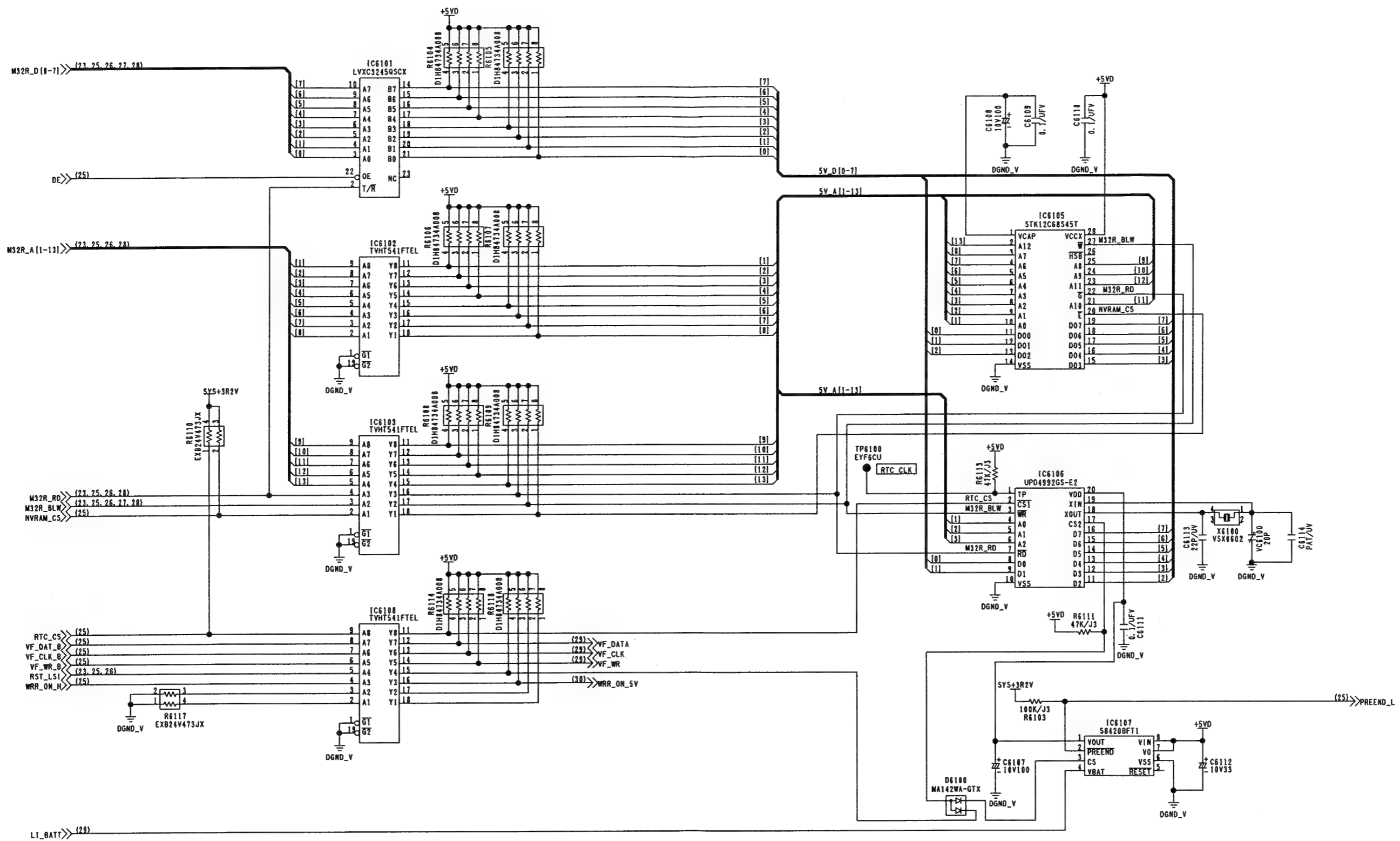
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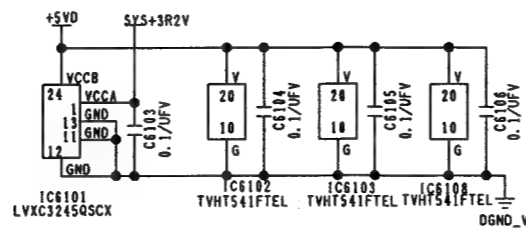
COMPONENT NAME	MAIN (AUDIO CUE)	21/30
CIRCUIT BOARD NO.	DRAWING NO.	
PAL: VEP83551E	KR30081	
	SCM021	



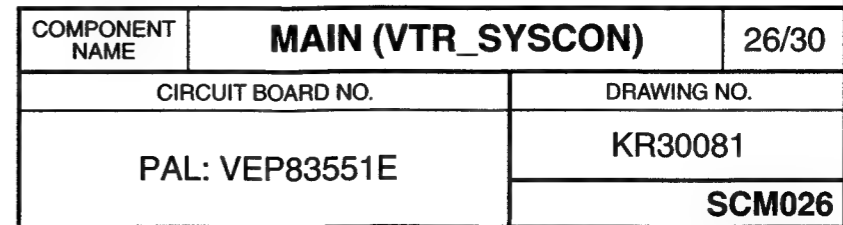
COMPONENT NAME	MAIN (AUDIO OUT)		22/30
CIRCUIT BOARD NO.		DRAWING NO.	
PAL: VEP83551E		KR30081	
		SCM022	

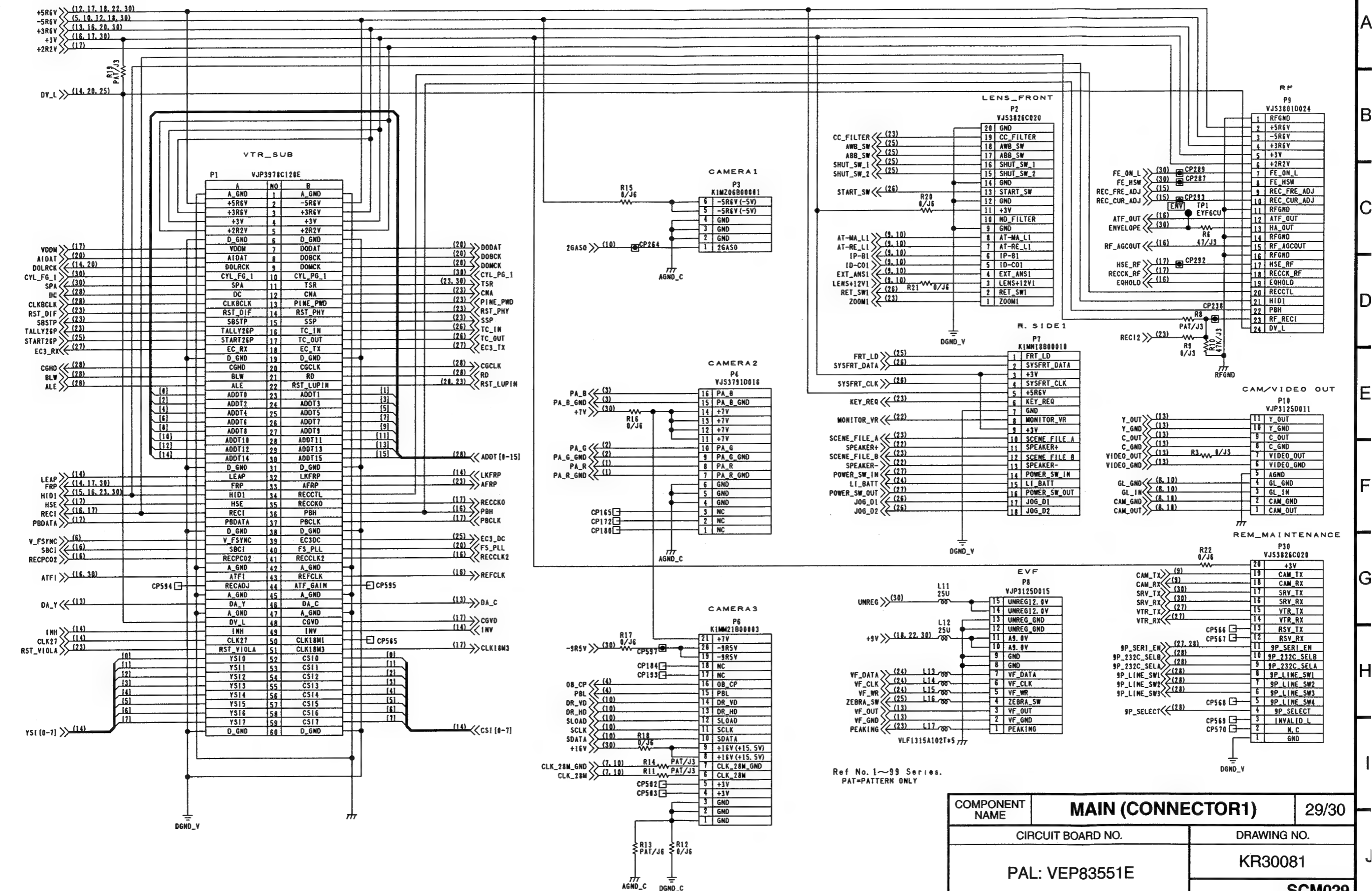


PAT=PATTERN ONLY
Ref No. 6100~6199 Series.



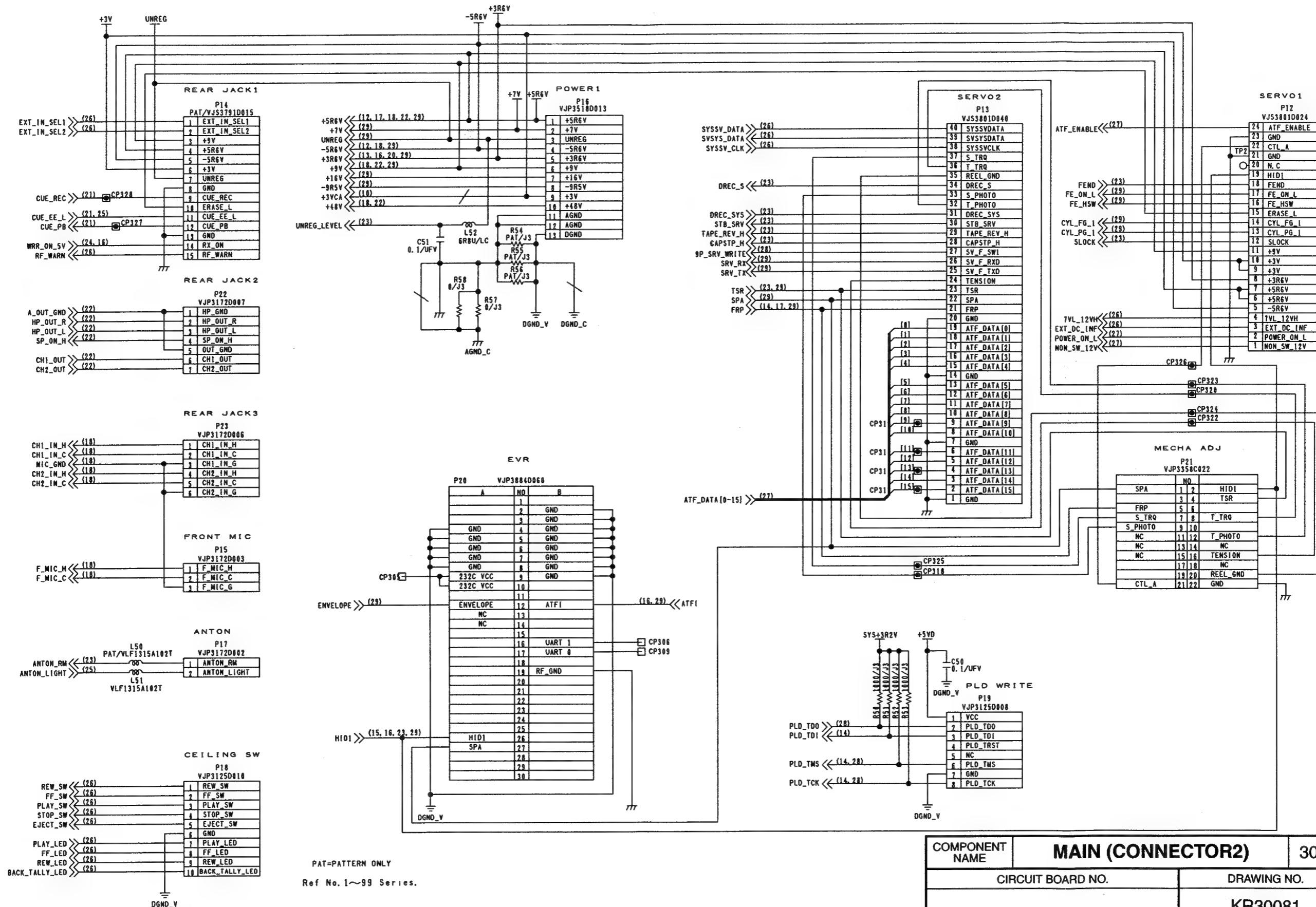
COMPONENT NAME	MAIN (VTR_SYSCON)	24/30
CIRCUIT BOARD NO.	DRAWING NO.	
PAL: VEP83551E	KR30081	
		SCM024



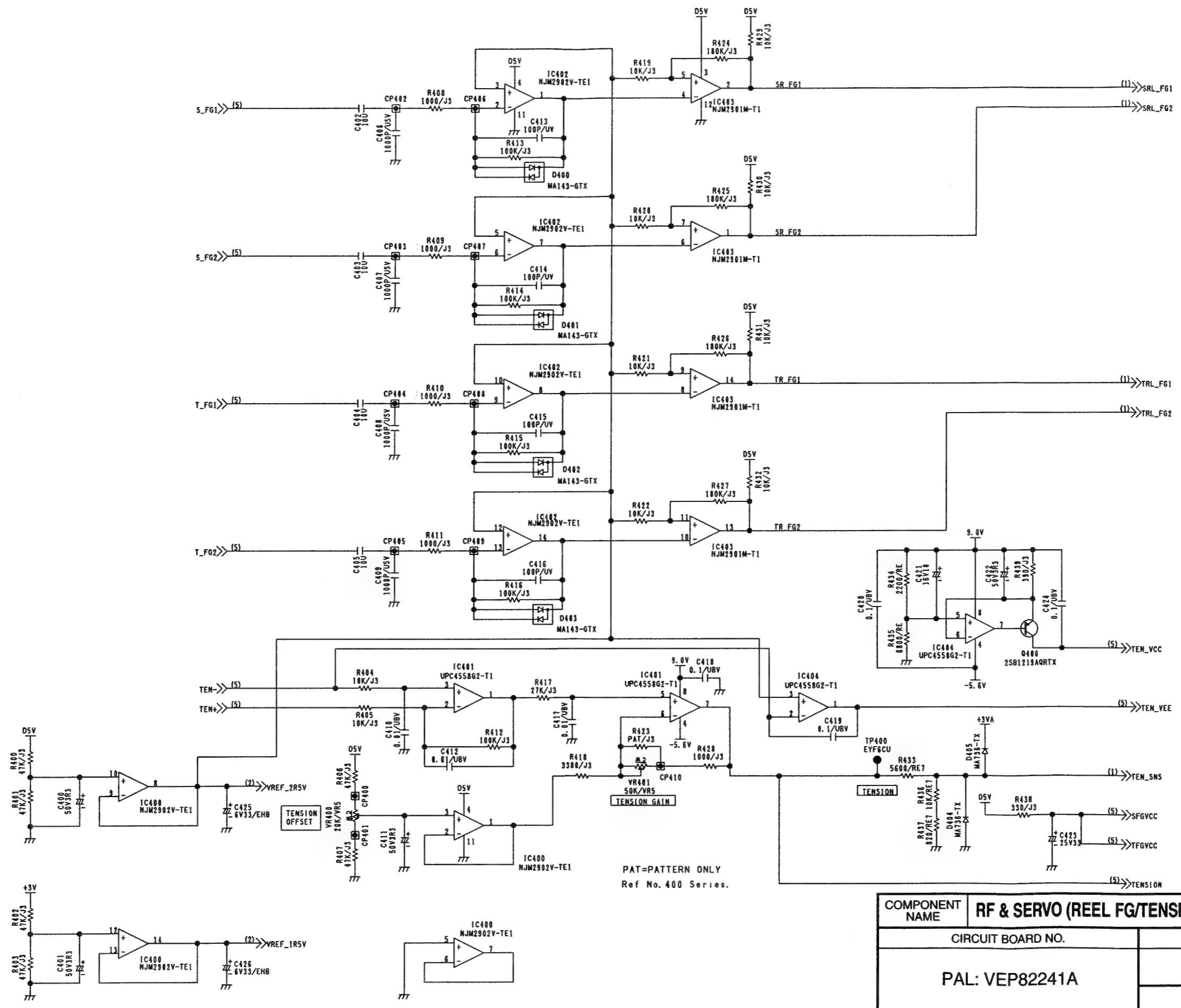


Ref No. 1~99 Series.
PAT= PATTERN ONLY

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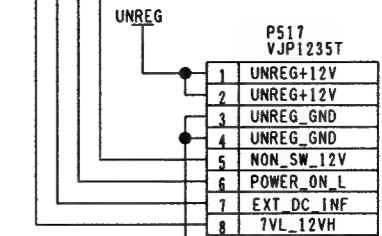
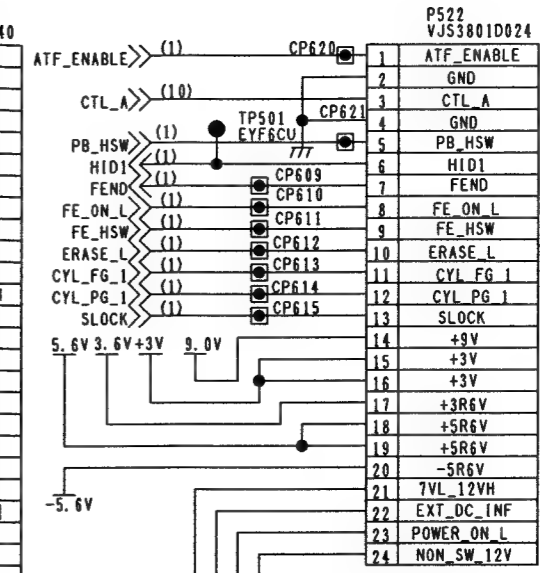
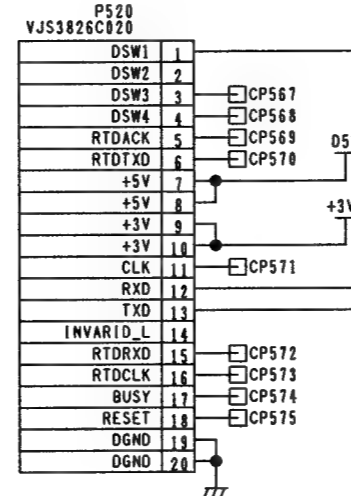
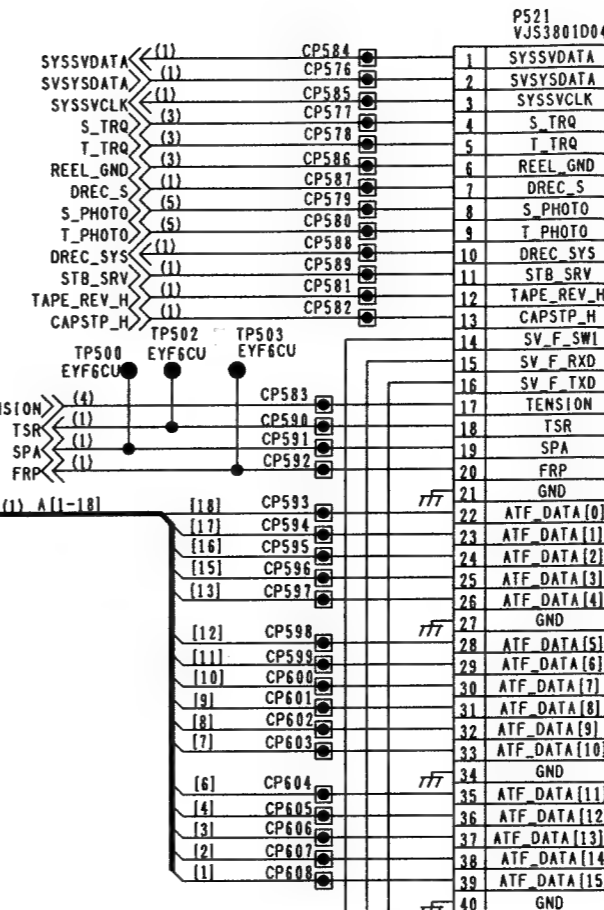
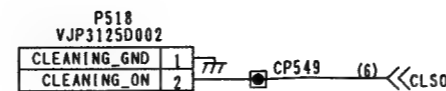
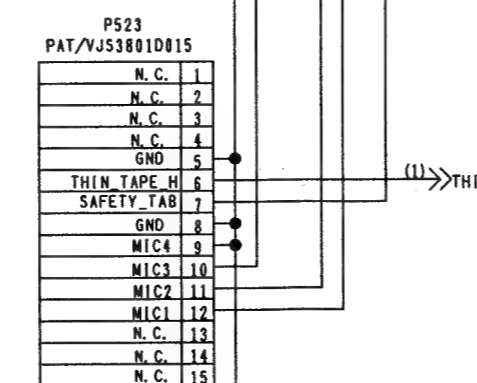
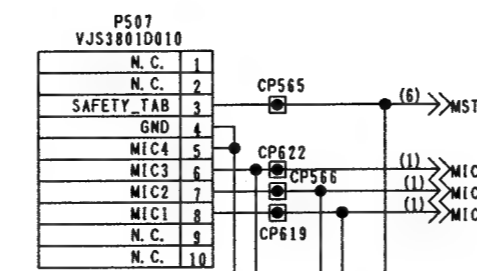
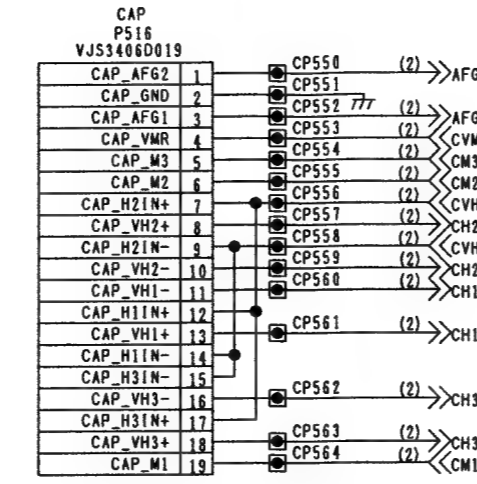
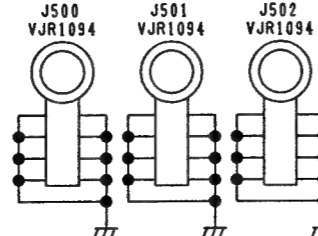
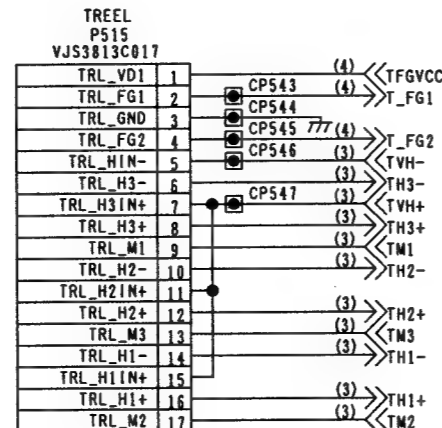
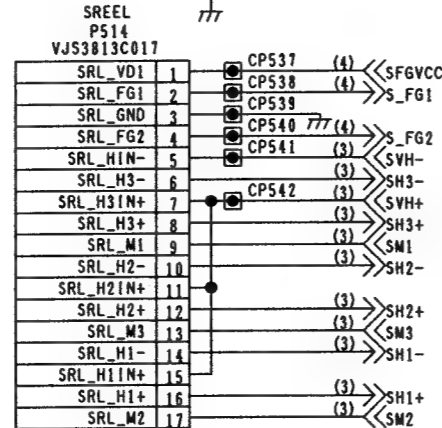
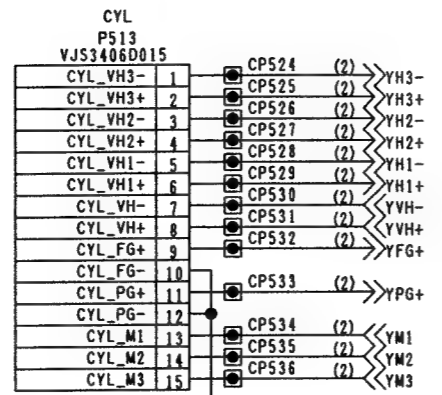
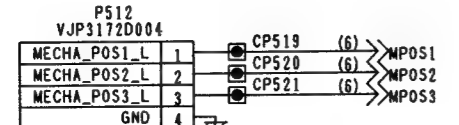
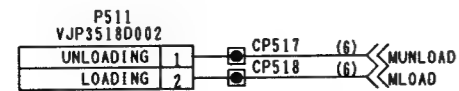
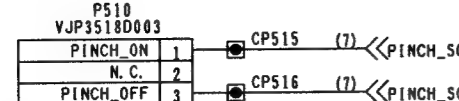
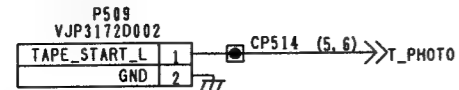
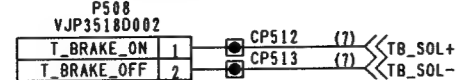
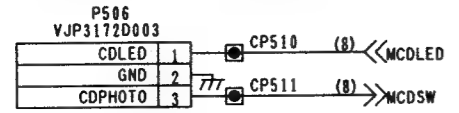
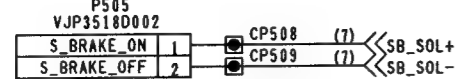
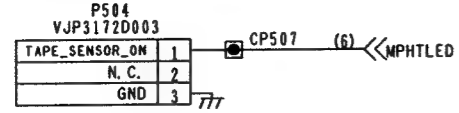
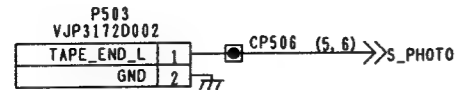
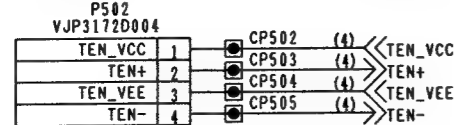
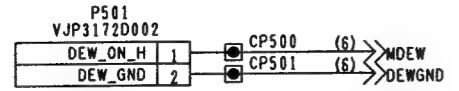
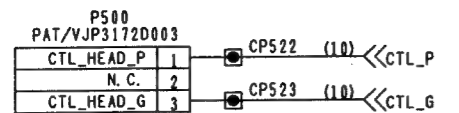
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



PAT=PATTERN ONLY
Ref No. 400 Series.

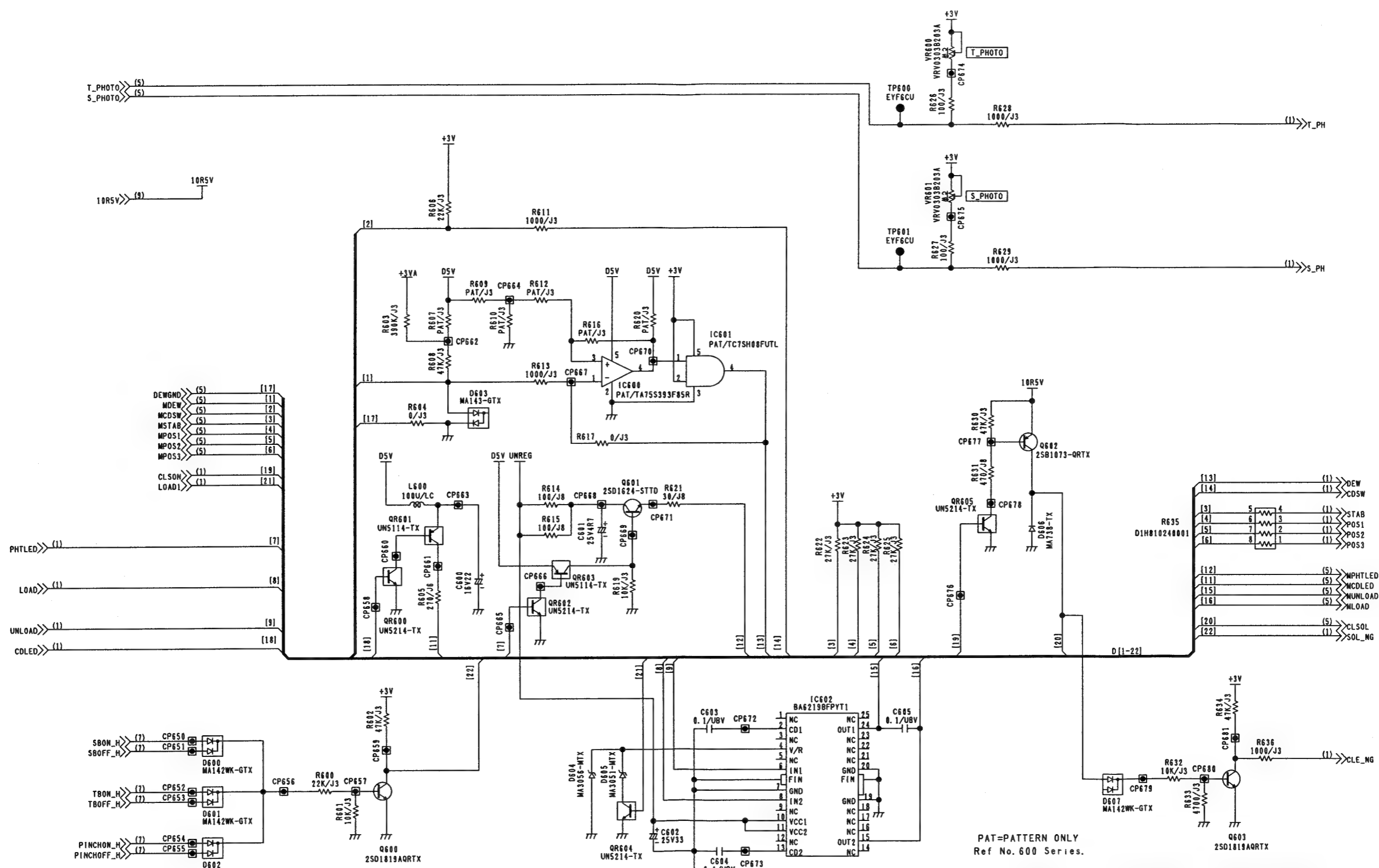
COMPONENT NAME		RF & SERVO (REEL FG/TENSION AMP)	04/11
CIRCUIT BOARD NO.		DRAWING NO.	
PAL: VEP82241A		KR2E31	
		SCM034	

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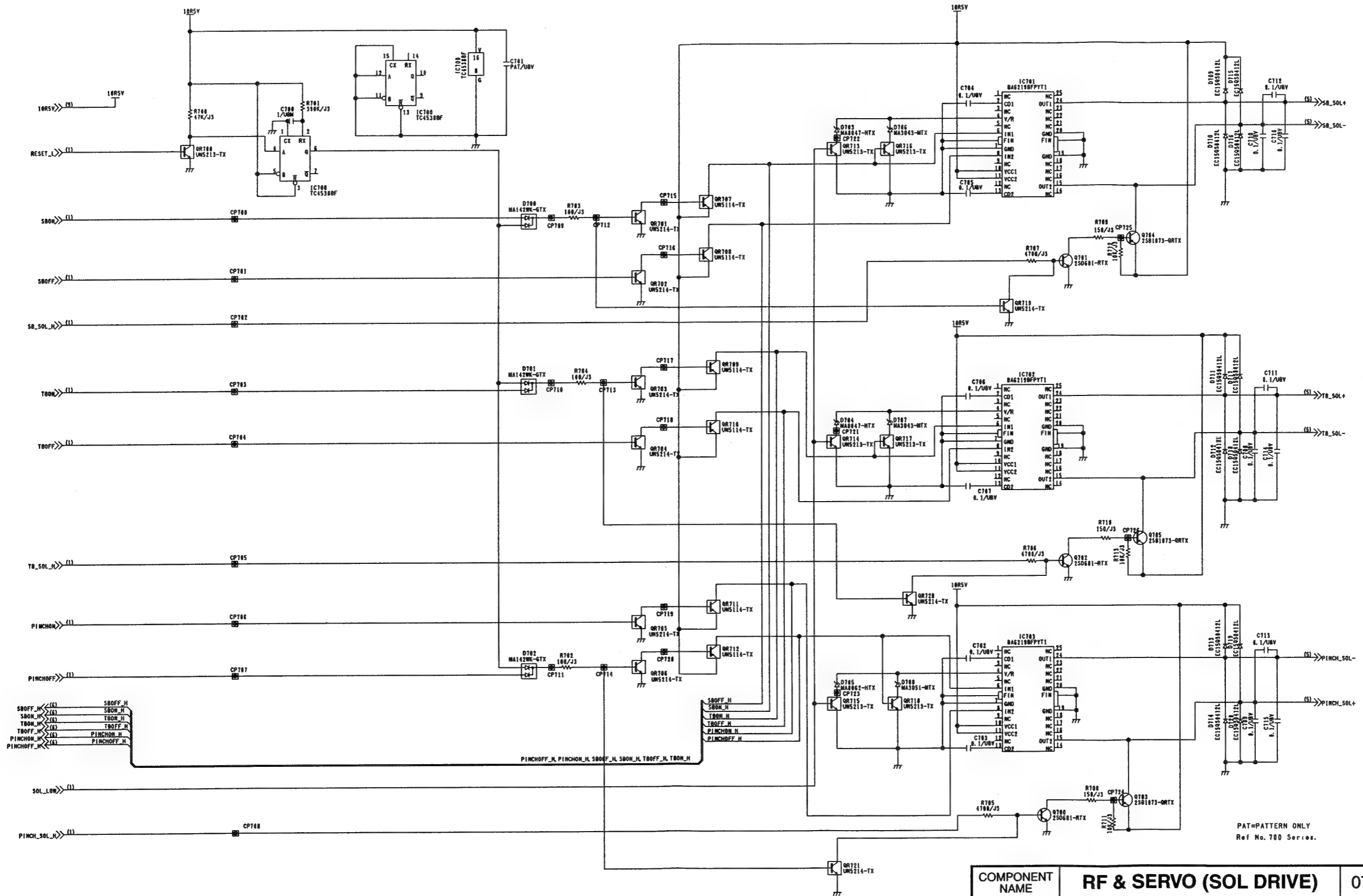
COMPONENT NAME	RF & SERVO (CONNECTER)	05/11
CIRCUIT BOARD NO.	DRAWING NO.	
PAL: VEP82241A	KR2E31	
	SCM035	

Ref No. 500 Series.

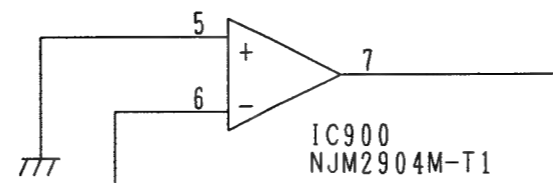
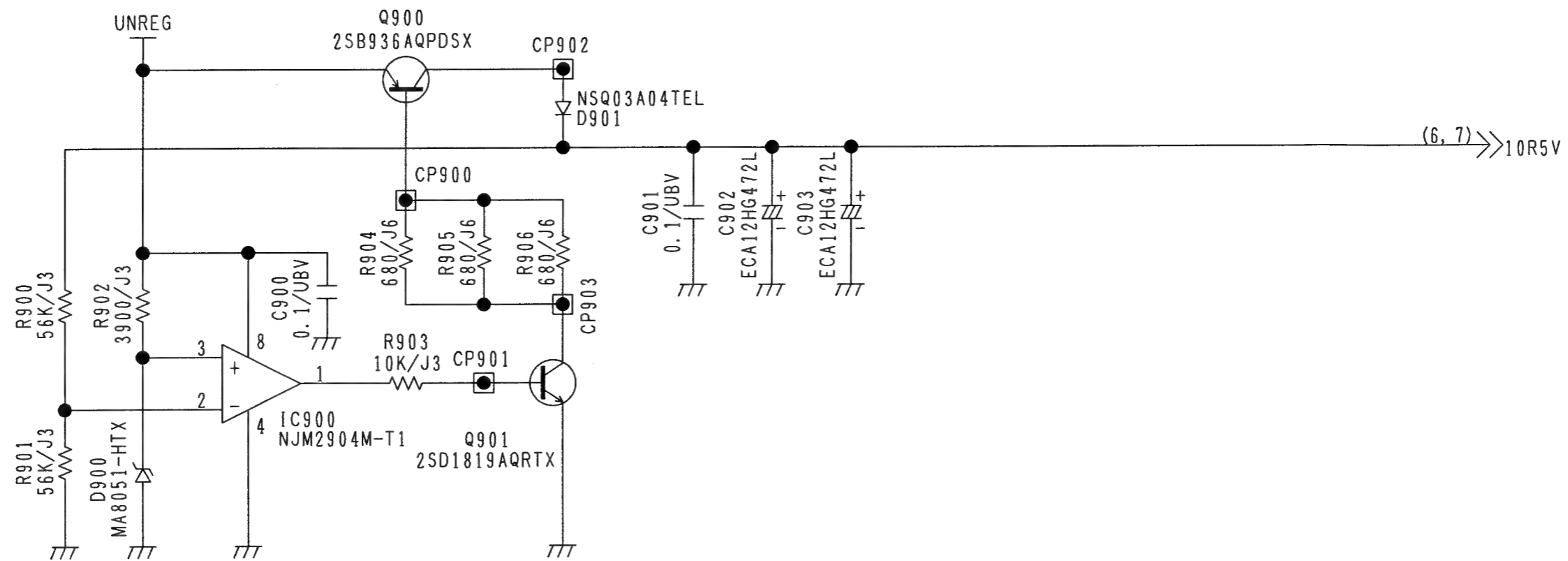


PAT=PATTERN ONLY
Ref No. 600 Series.

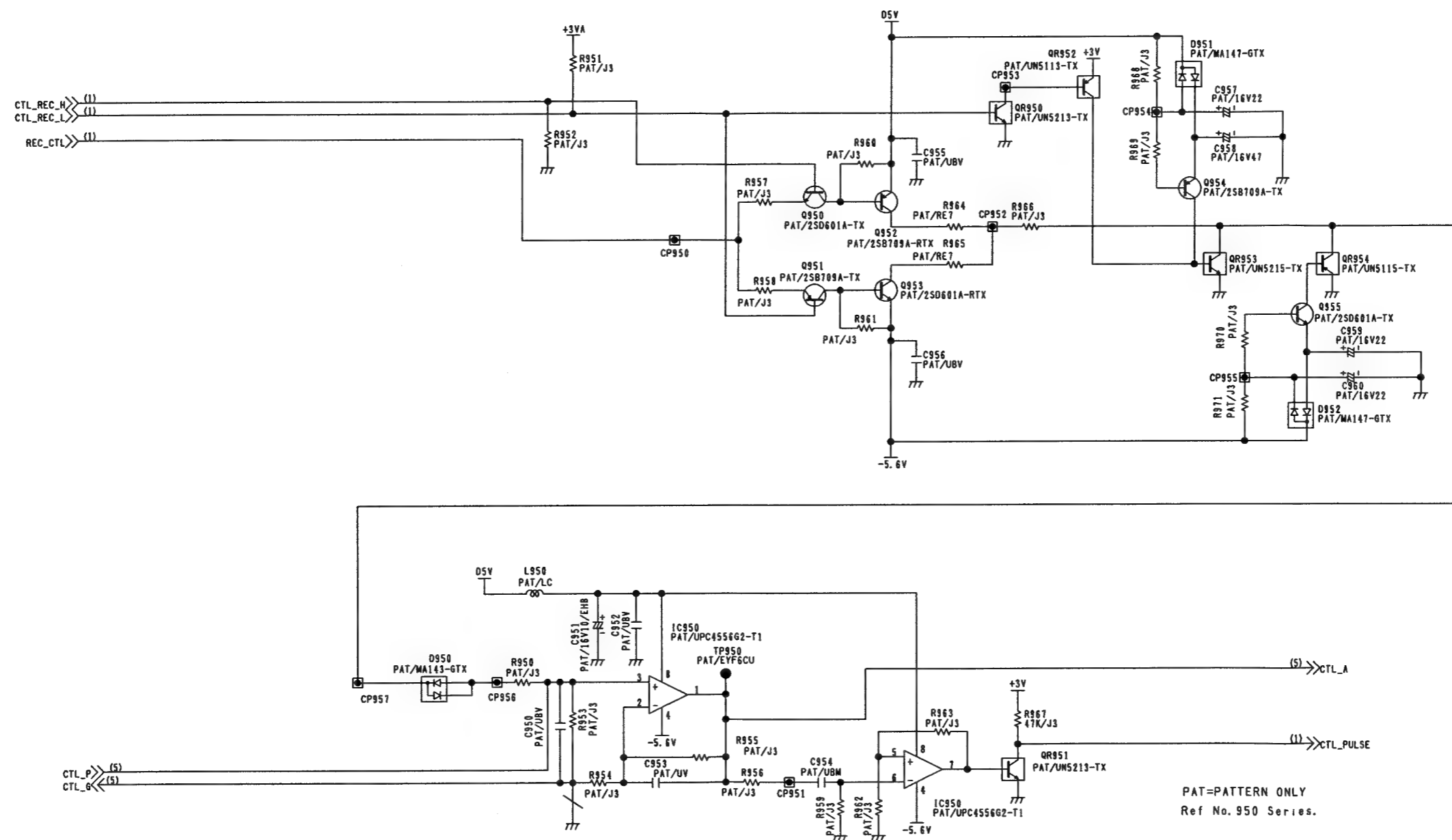
COMPONENT NAME	RF & SERVO (MECA SW/LOADING DRIVE)	06/11
CIRCUIT BOARD NO.		DRAWING NO.
PAL: VEP82241A		KR2E31
		SCM036



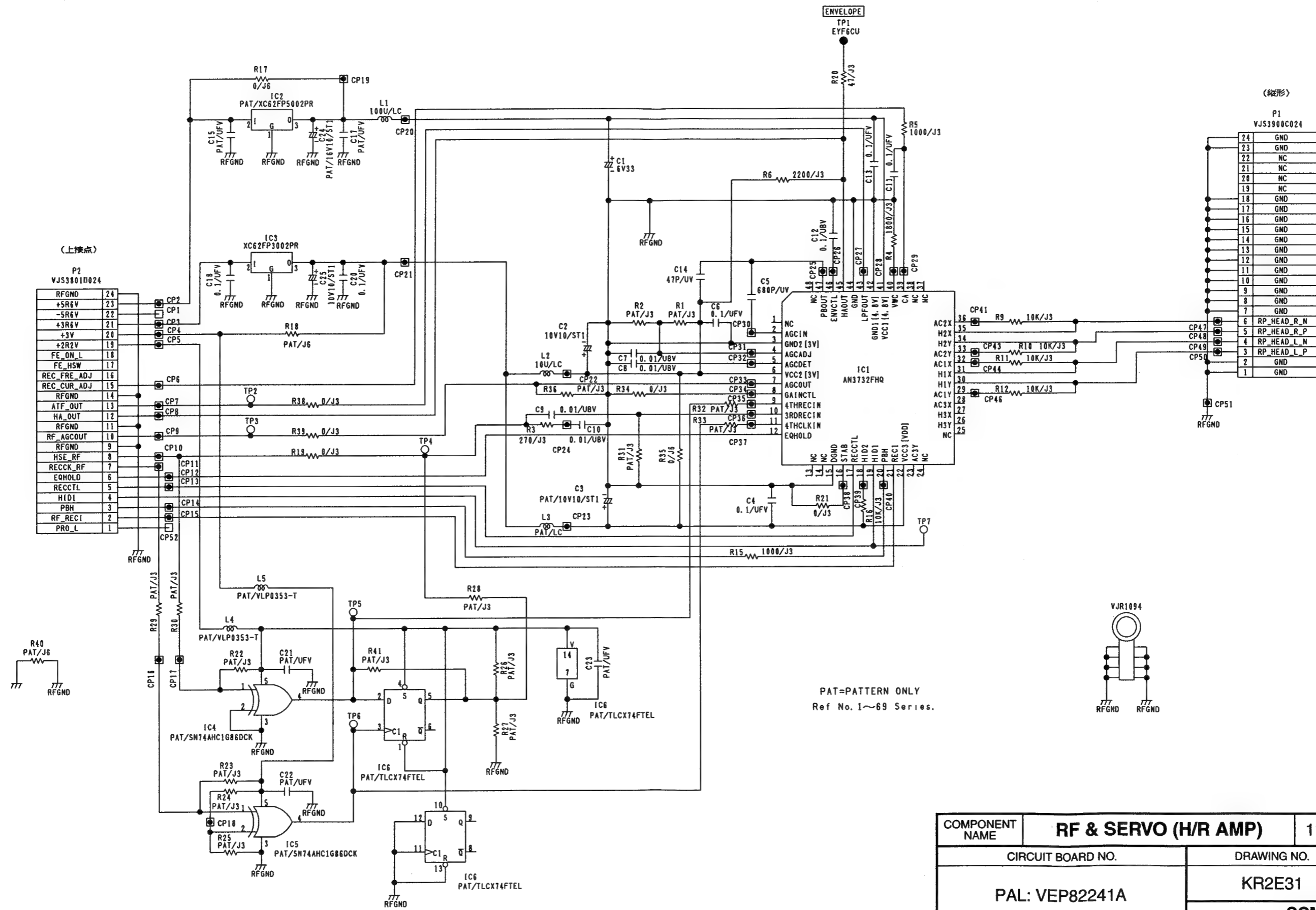
COMPONENT NAME	RF & SERVO (SOL DRIVE)		07/11
CIRCUIT BOARD NO.		DRAWING NO.	
PAL: VEP82241A		KR2E31	
		SCM037	



COMPONENT NAME	RF & SERVO (SOL POWER)	09/11
CIRCUIT BOARD NO.	DRAWING NO.	
PAL: VEP82241A	KR2E31	
	SCM039	



COMPONENT NAME	RF & SERVO (CTL AMP)	10/11
CIRCUIT BOARD NO.	DRAWING NO.	
PAL: VEP82241A	KR2E31	
	SCM040	

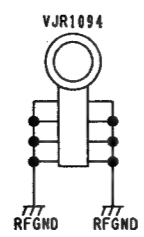


(縦形)

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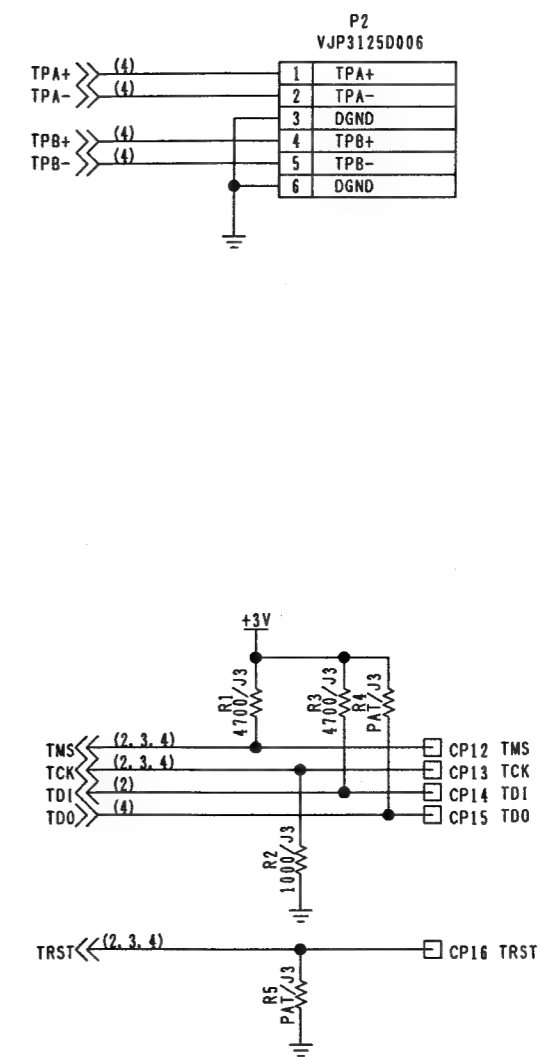
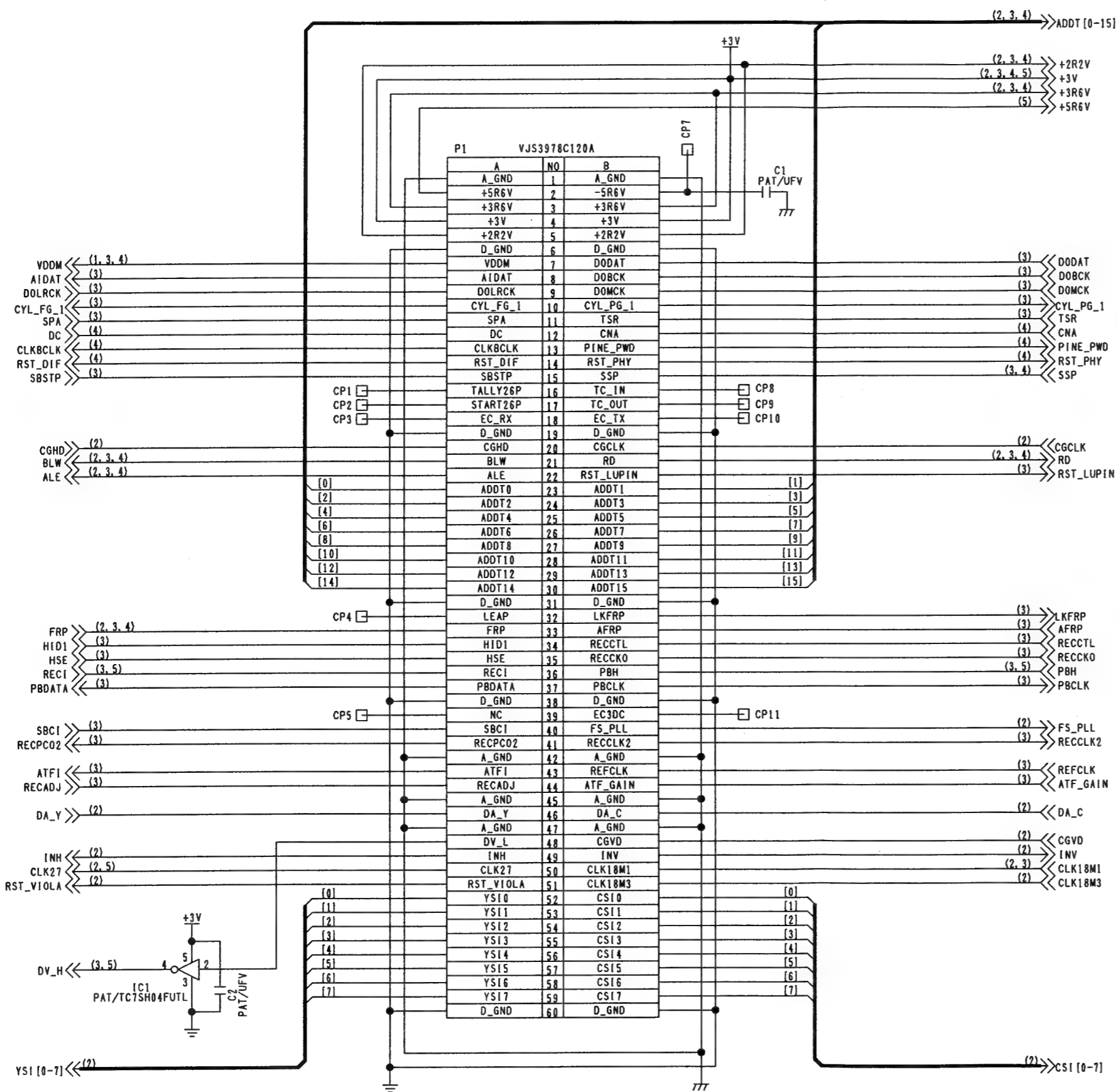
24	GND
23	GND
22	NC
21	NC
20	NC
19	NC
18	GND
17	GND
16	GND
15	GND
14	GND
13	GND
12	GND
11	GND
10	GND
9	GND
8	GND
7	GND
6	RP_HEAD_R_N
5	RP_HEAD_R_P
4	RP_HEAD_L_N
3	RP_HEAD_L_P
2	GND
1	GND

CP51
RFGND



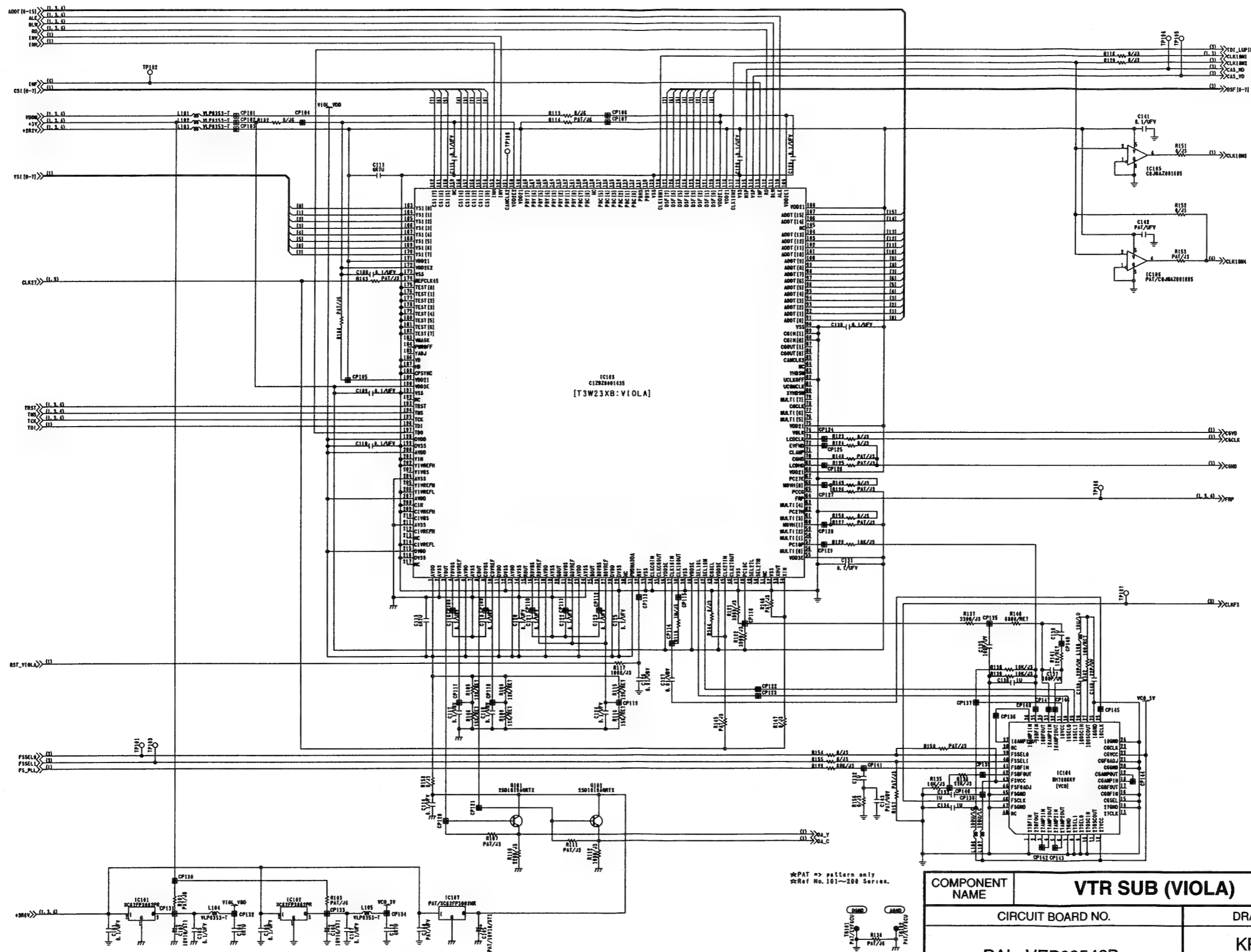
PAT=PATTERN ONLY
Ref No. 1~69 Series.

COMPONENT NAME	RF & SERVO (H/R AMP)	11/11
CIRCUIT BOARD NO.	PAL: VEP82241A	DRAWING NO.
		KR2E31
		SCM041



★PAT => pattern only
☆Ref No. 1~100 Series.

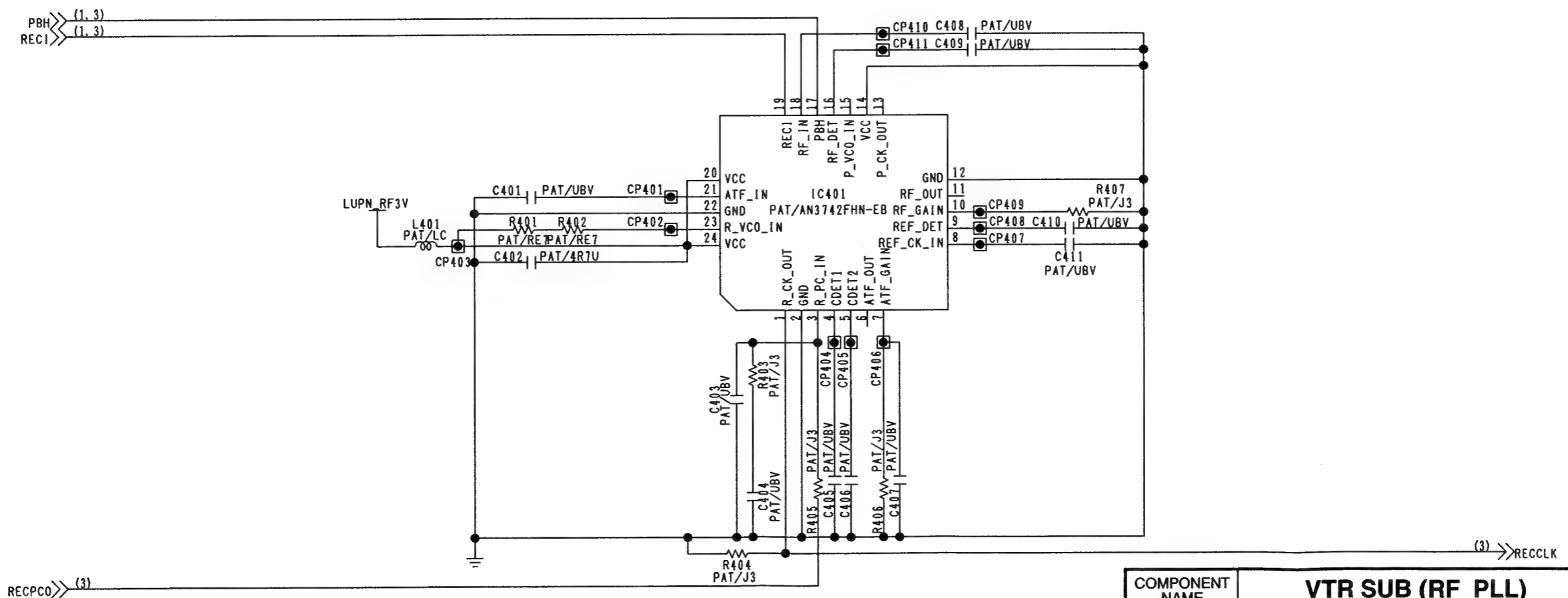
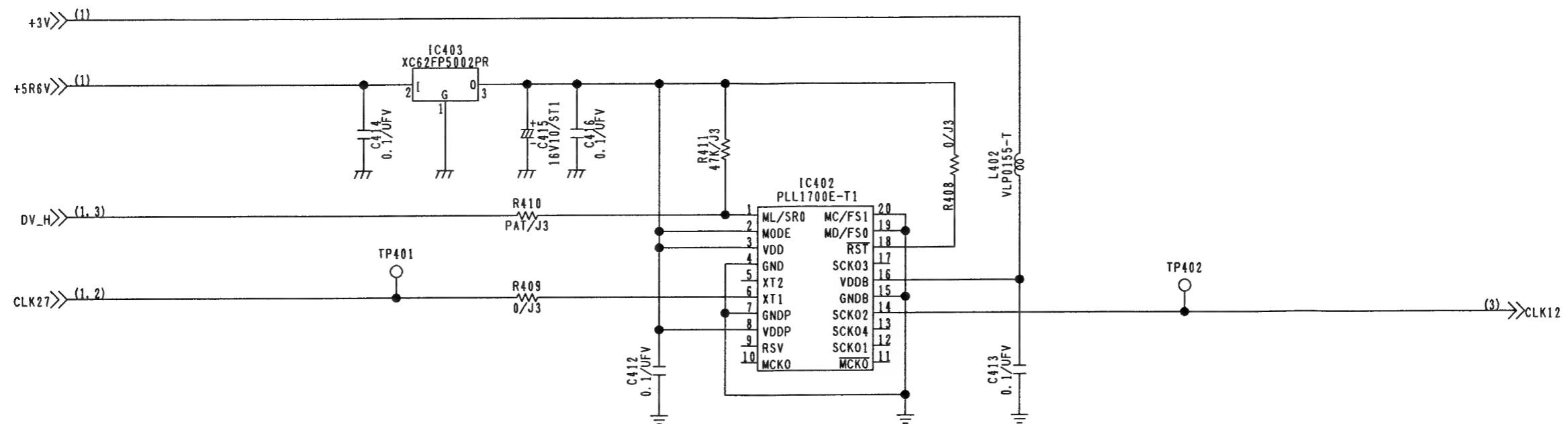
COMPONENT NAME	VTR SUB (CONNECTOR)	01/05
CIRCUIT BOARD NO.	DRAWING NO.	
PAL: VEP83548B	KR30078	
	SCM042	



COMPONENT NAME		VTR SUB (VIOLA)	02/05
CIRCUIT BOARD NO.		DRAWING NO.	
PAL: VEP83548B		KR30078	
		SCM043	

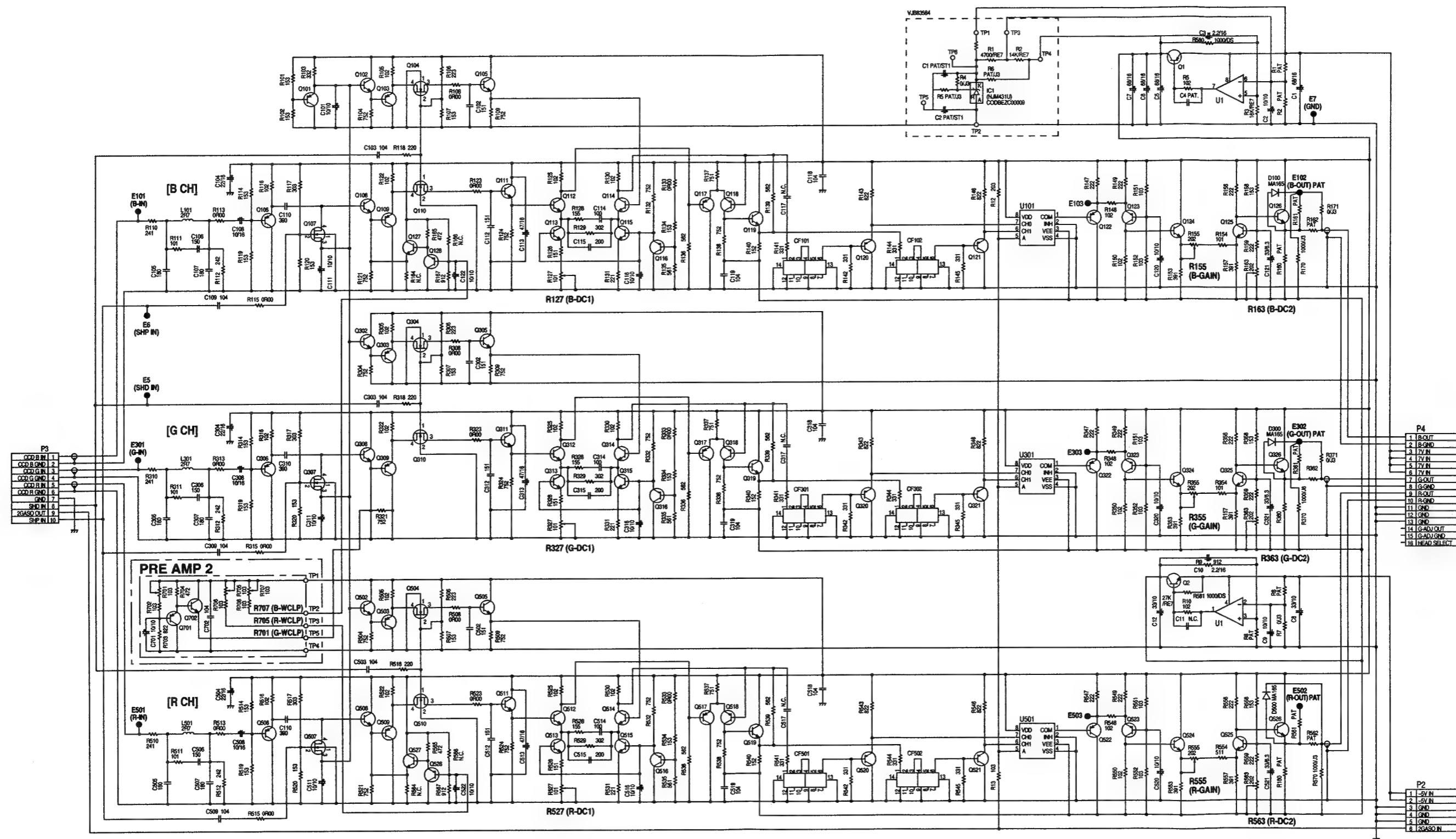


A horizontal number line with tick marks at every integer from 1 to 15. The numbers are labeled below the line.

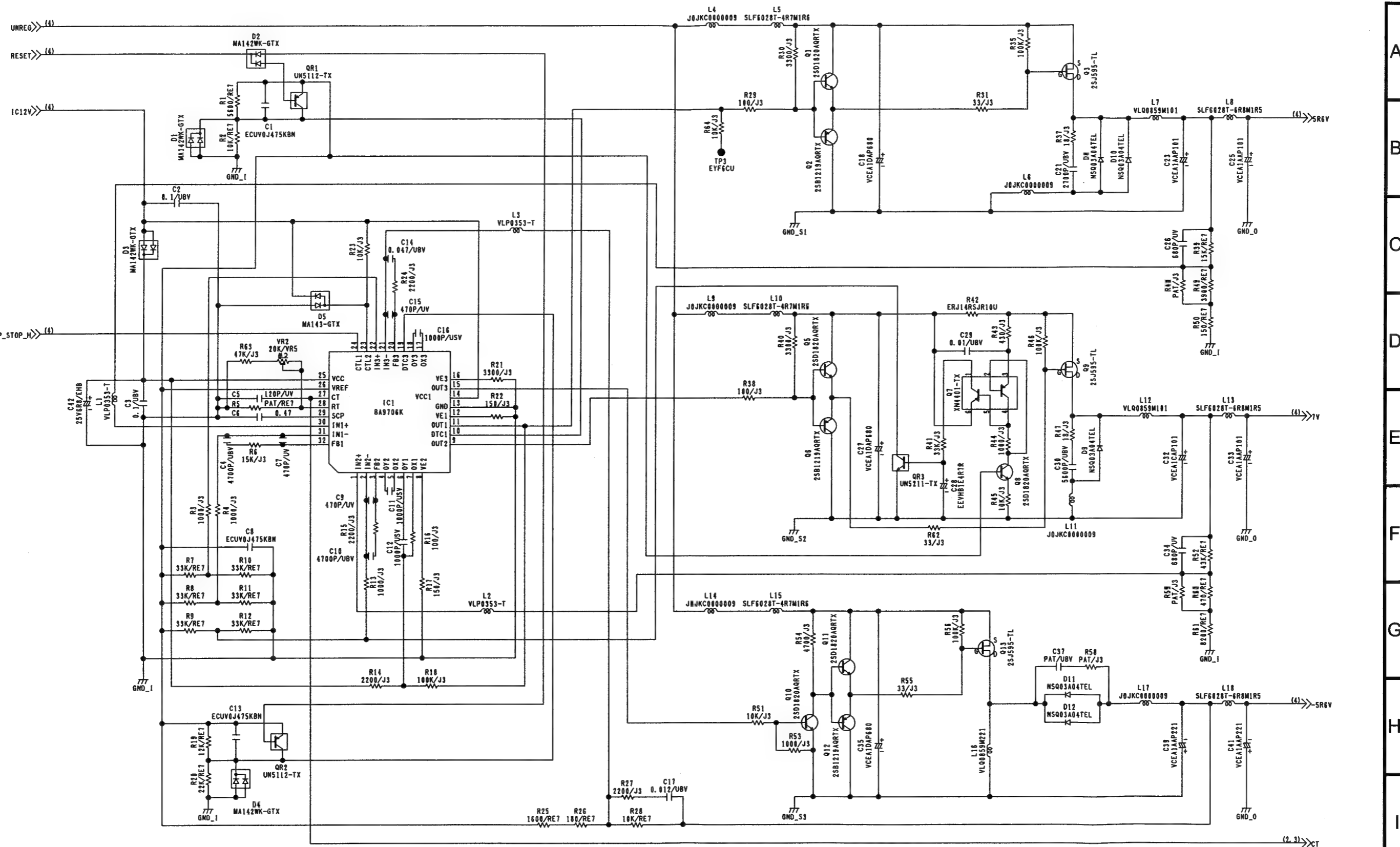


★PAT => pattern only
 ☆Ref No. 401~500 Series.

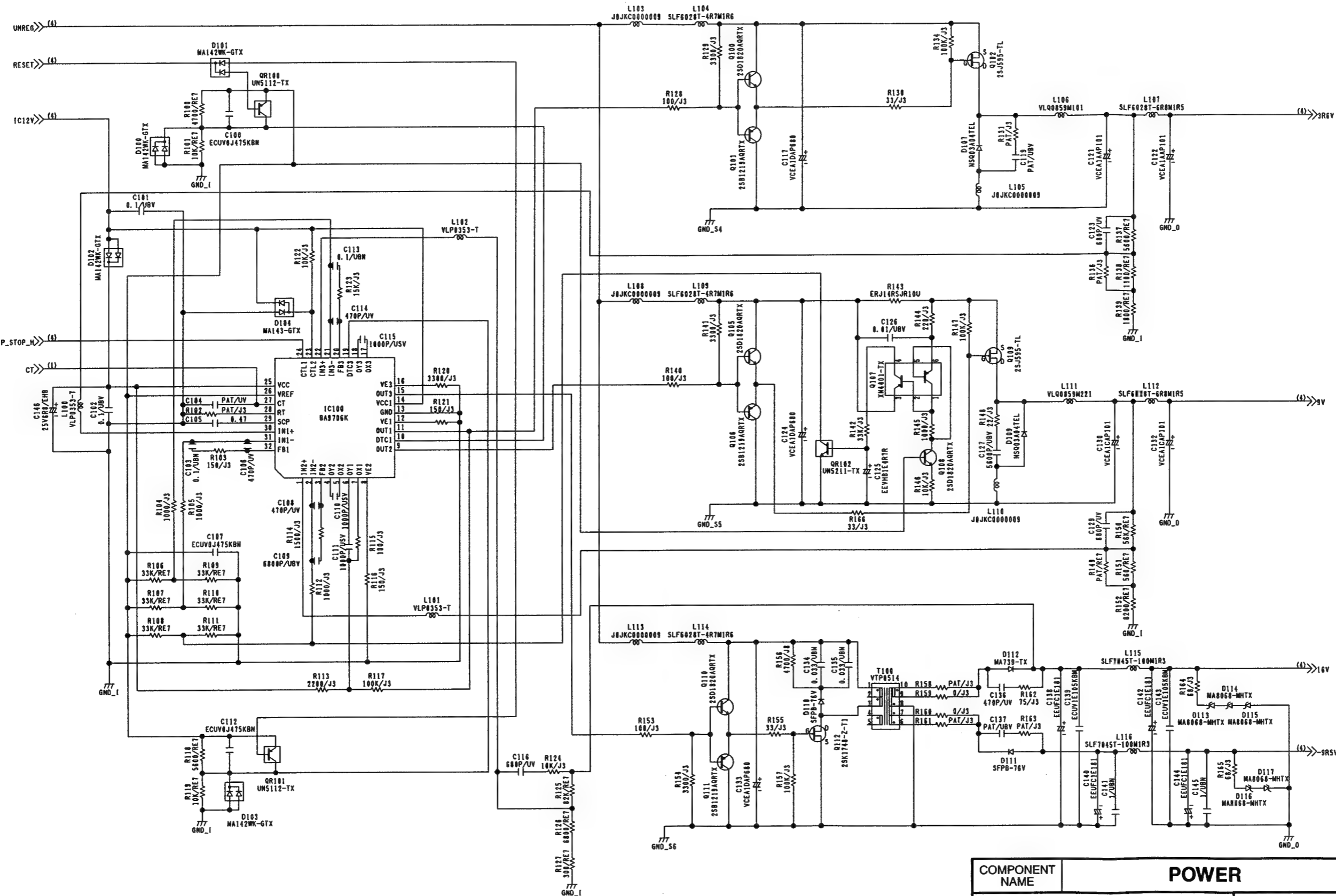
COMPONENT NAME	VTR SUB (RF_PLL)	05/05
CIRCUIT BOARD NO.		DRAWING NO.
PAL: VEP83548B		KR30078
		SCM046



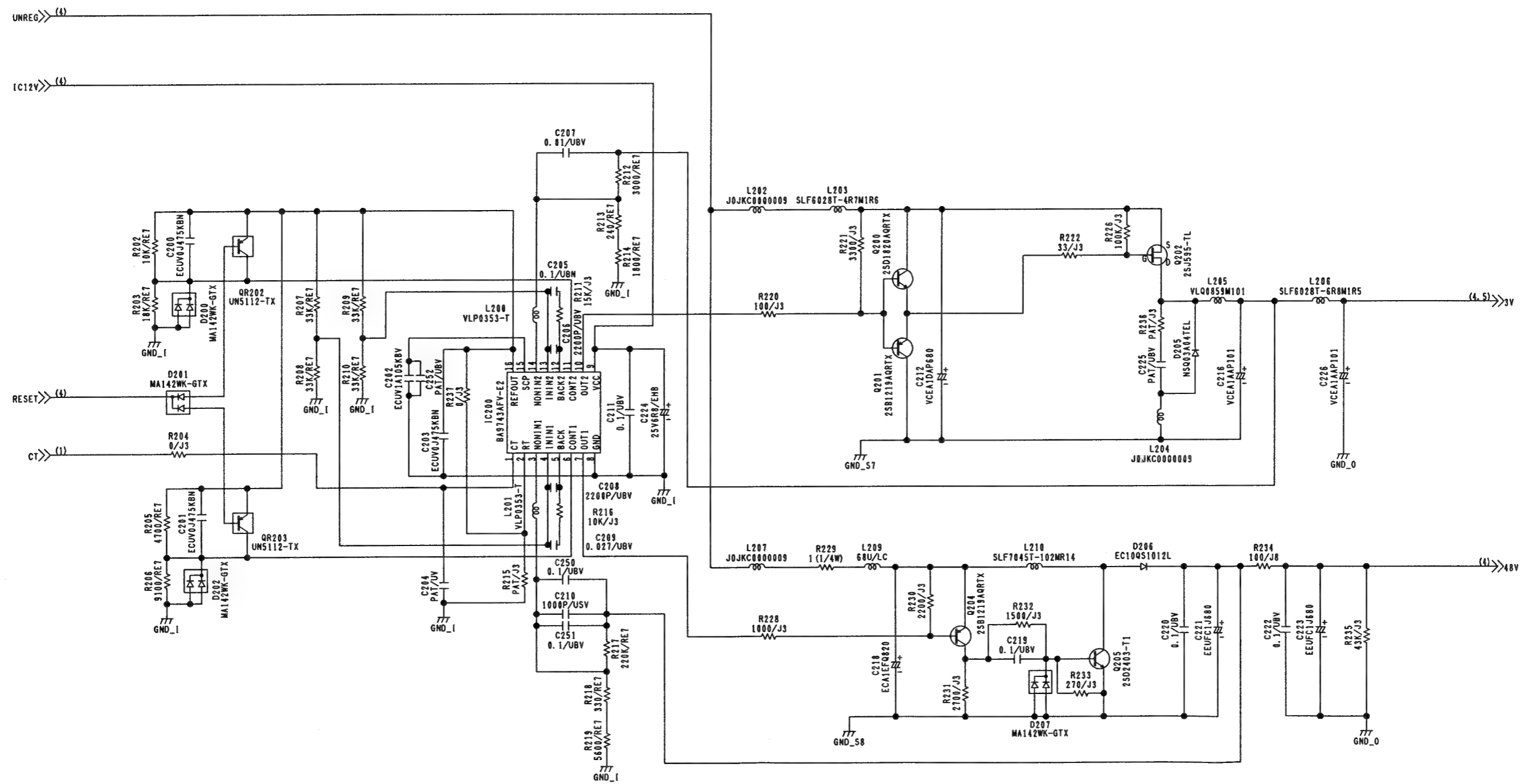
COMPONENT NAME	PRE AMP3	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
PAL: VEP83564A PAL: WE600EKE1B PAL: WE600PKY1A	SCM047	



COMPONENT NAME	POWER		01/05
CIRCUIT BOARD NO.		DRAWING NO.	
PAL: VEP81220A		KR1E83	
		SCM048	

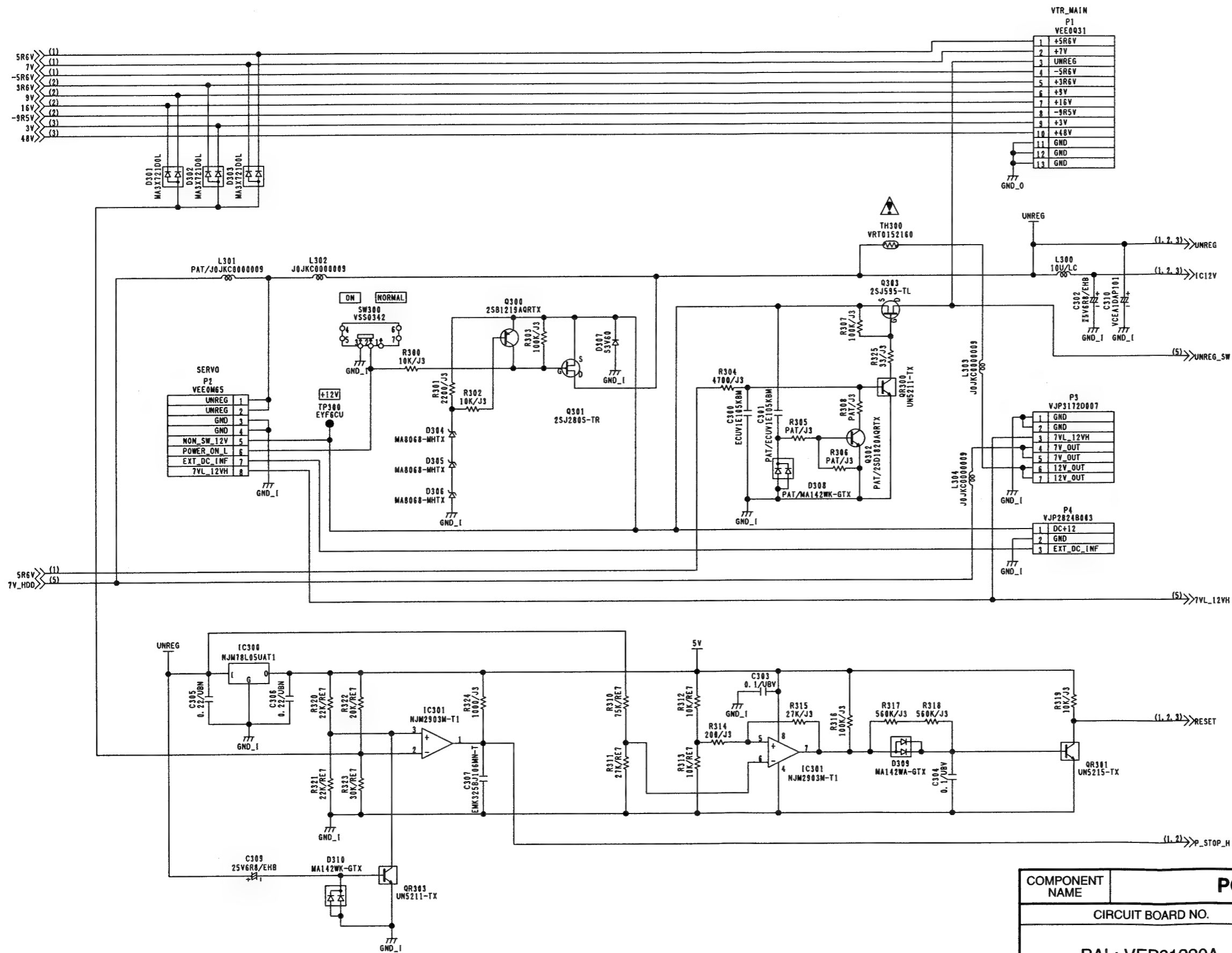


COMPONENT NAME	POWER		02/05
CIRCUIT BOARD NO.		DRAWING NO.	
PAL: VEP81220A		KR1E83	
		SCM049	

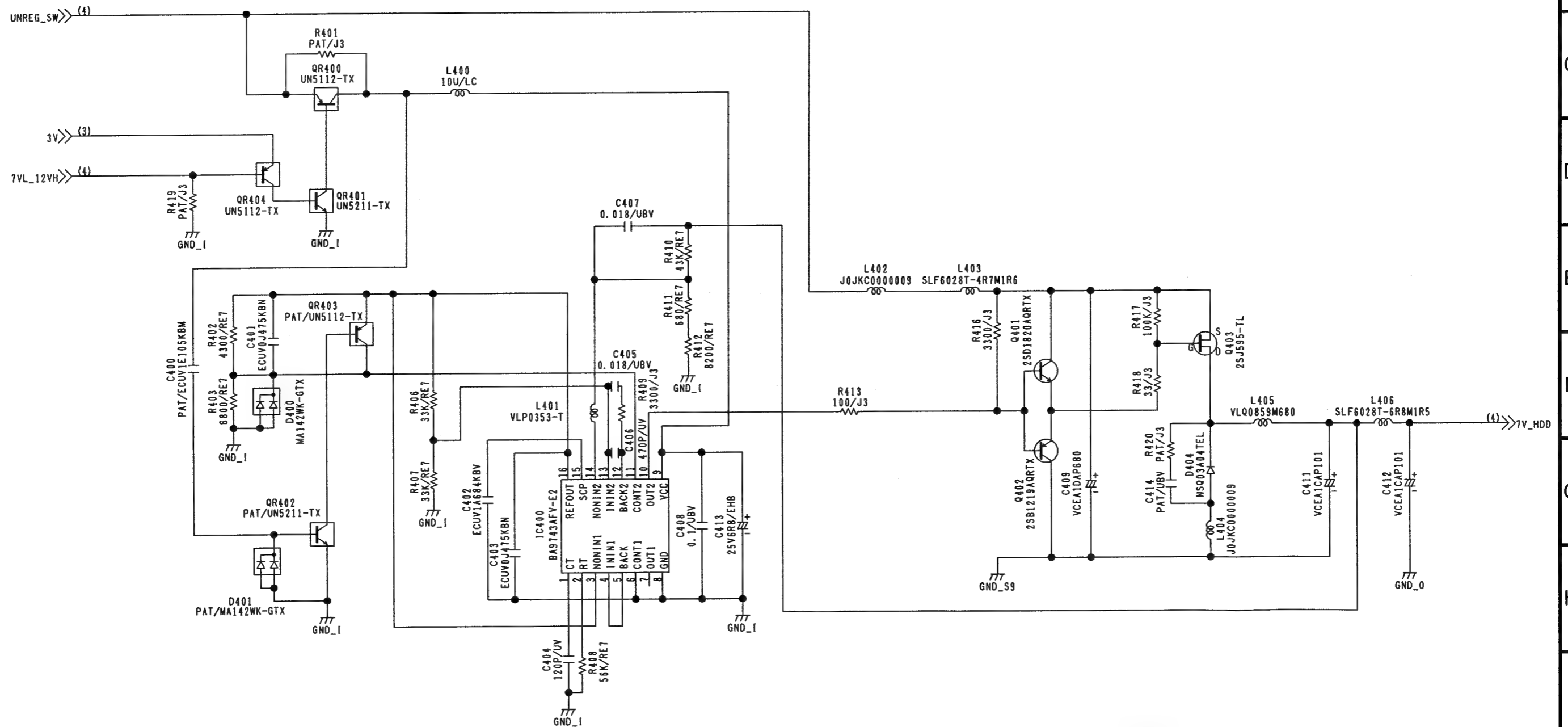


COMPONENT NAME	POWER	03/05
CIRCUIT BOARD NO.		DRAWING NO.
PAL: VEP81220A		KR1E83
		SCM050

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



COMPONENT NAME	POWER	04/05
CIRCUIT BOARD NO.	DRAWING NO.	
PAL: VEP81220A	KR1E83	
	SCM051	



COMPONENT NAME	POWER	05/05
CIRCUIT BOARD NO.		DRAWING NO.
PAL: VEP81220A		KR1E83
		SCM052

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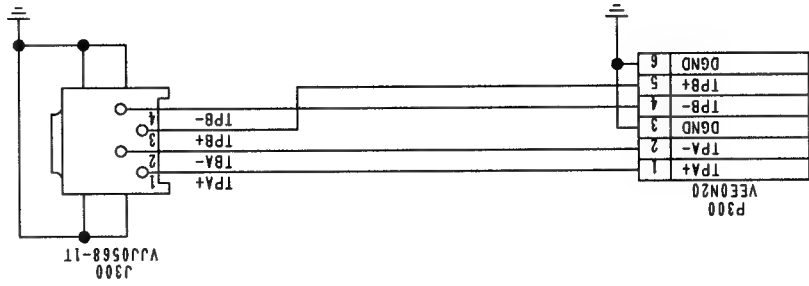
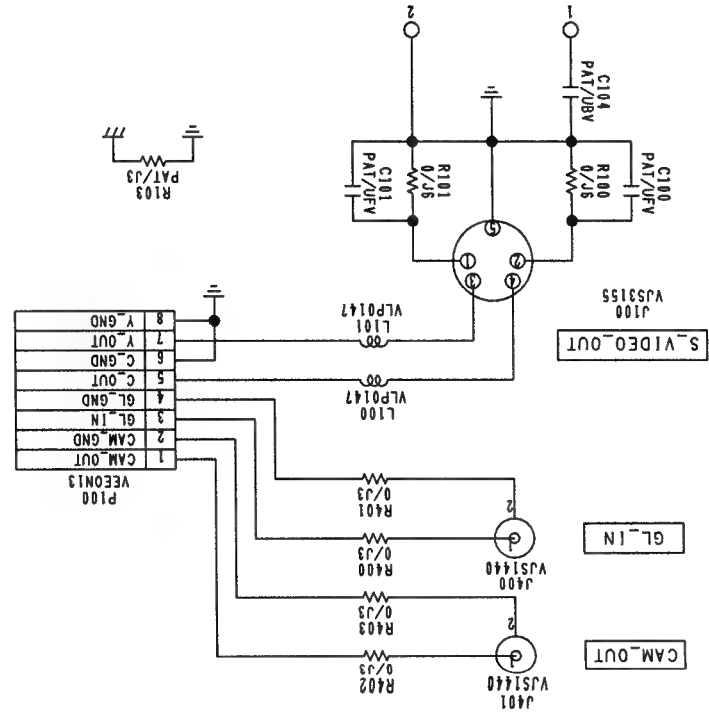
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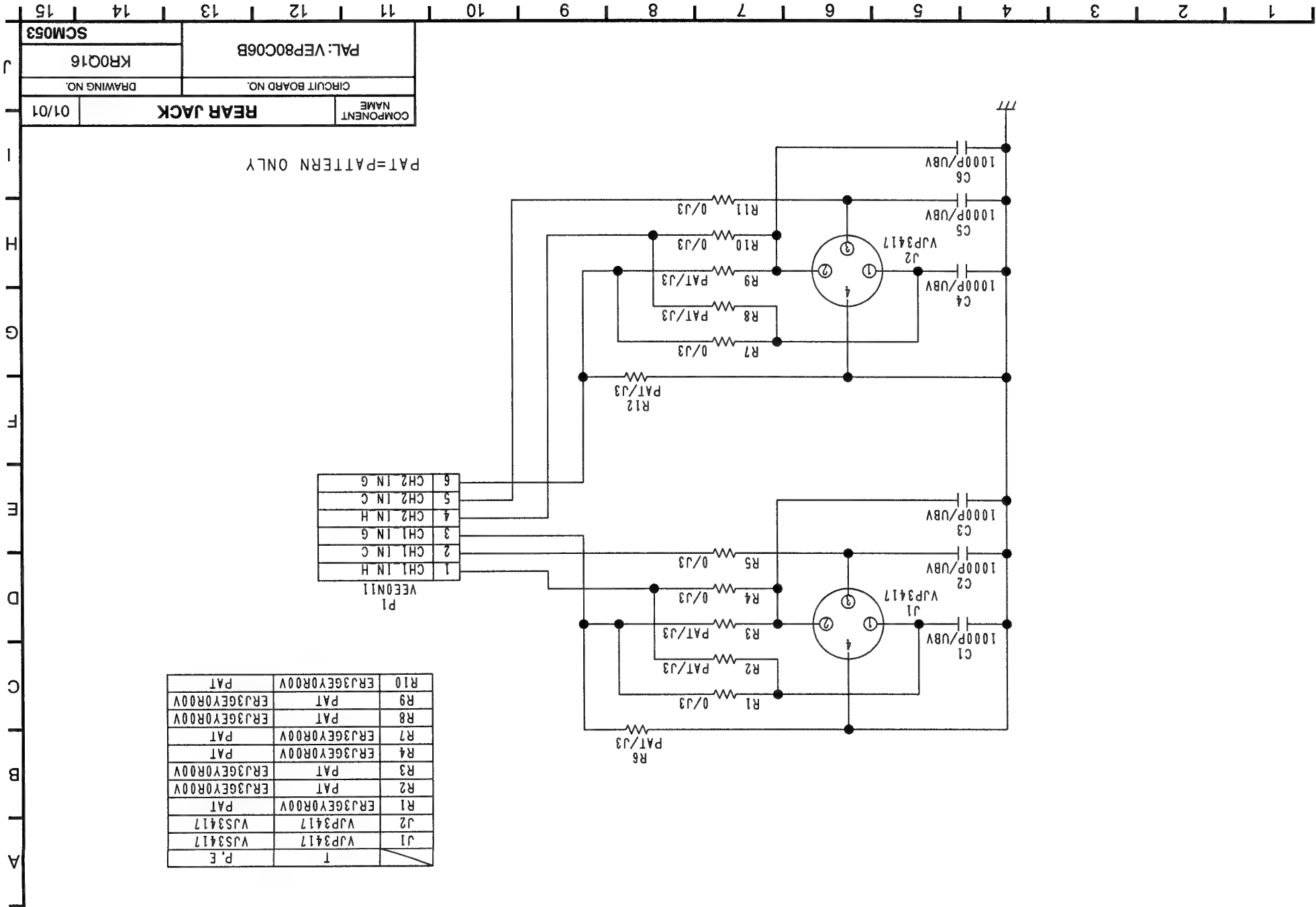
J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



COMPONENT NAME	AV_OUT	01/01
CIRCUIT BOARD NO.		
DRAWING NO.		
PAL:VEP80C07A		KRQ017
		SCM054

COMPONENT NAME	1394_JACK	01/01	CIRCUIT BOARD NO.		PAL: VEP80C09A
			DRAWING NO.		
			KR0Q19	SCM054	

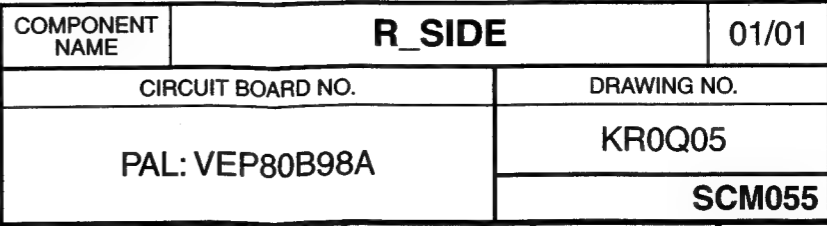


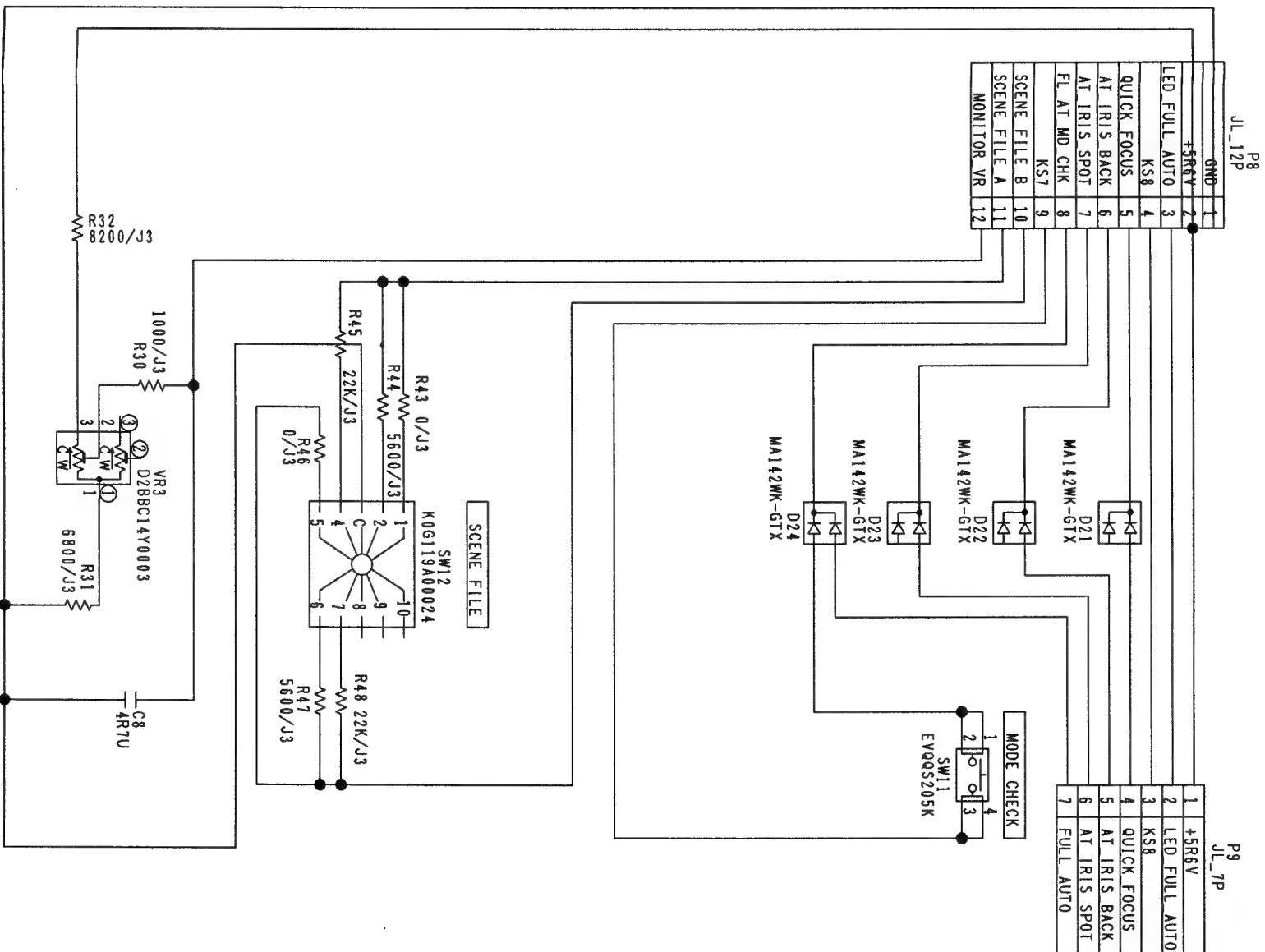
1	CH1 IN H
2	CH1 IN C
3	CH1 IN G
4	CH2 IN H
5	CH2 IN C
6	CH2 IN G

P1
VEEON11

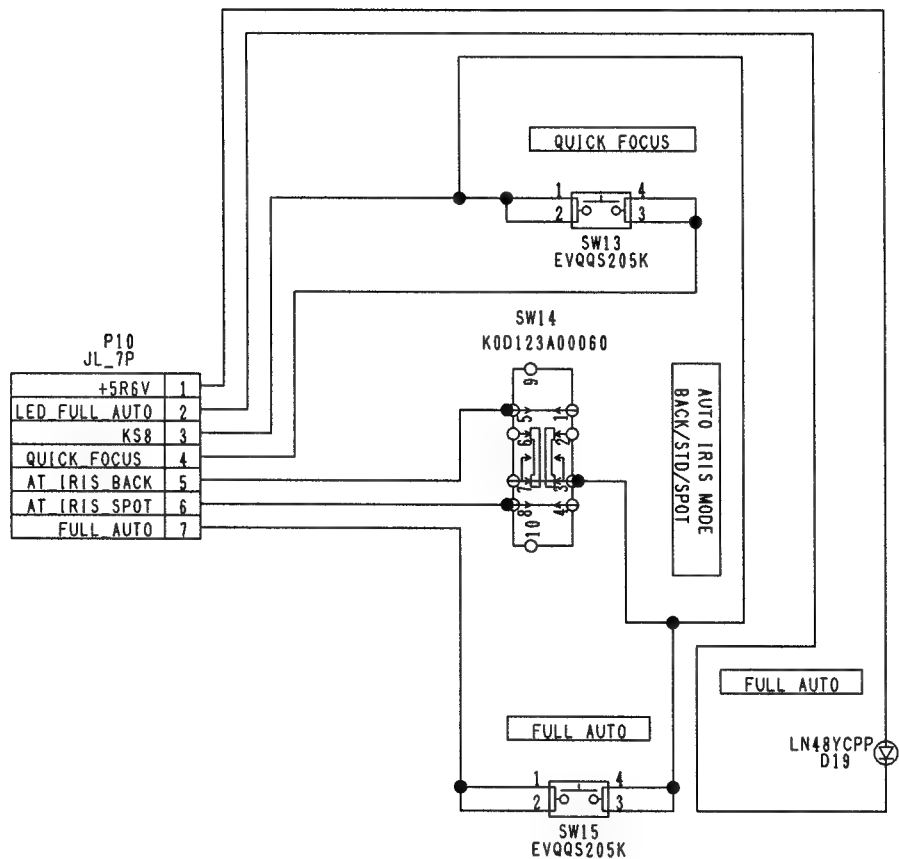
J1	VJP3417	
J2	VJP3417	
R1	ERJ3G6Y0R00V	PAT
R2	ERJ3G6Y0R00V	PAT
R3	ERJ3G6Y0R00V	PAT
R4	ERJ3G6Y0R00V	PAT
R7	ERJ3G6Y0R00V	PAT
R8	ERJ3G6Y0R00V	PAT
R9	ERJ3G6Y0R00V	PAT
R10	ERJ3G6Y0R00V	PAT

COMPONENT NAME	REAR JACK	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
PAL:VEP80C06B	KR0Q16	
SCM053		



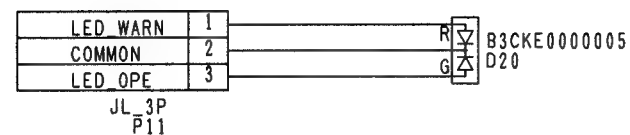


COMPONENT NAME	SCENE_FILE	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
PAL: VEP80B99A	KR0Q06	
	SCM056	



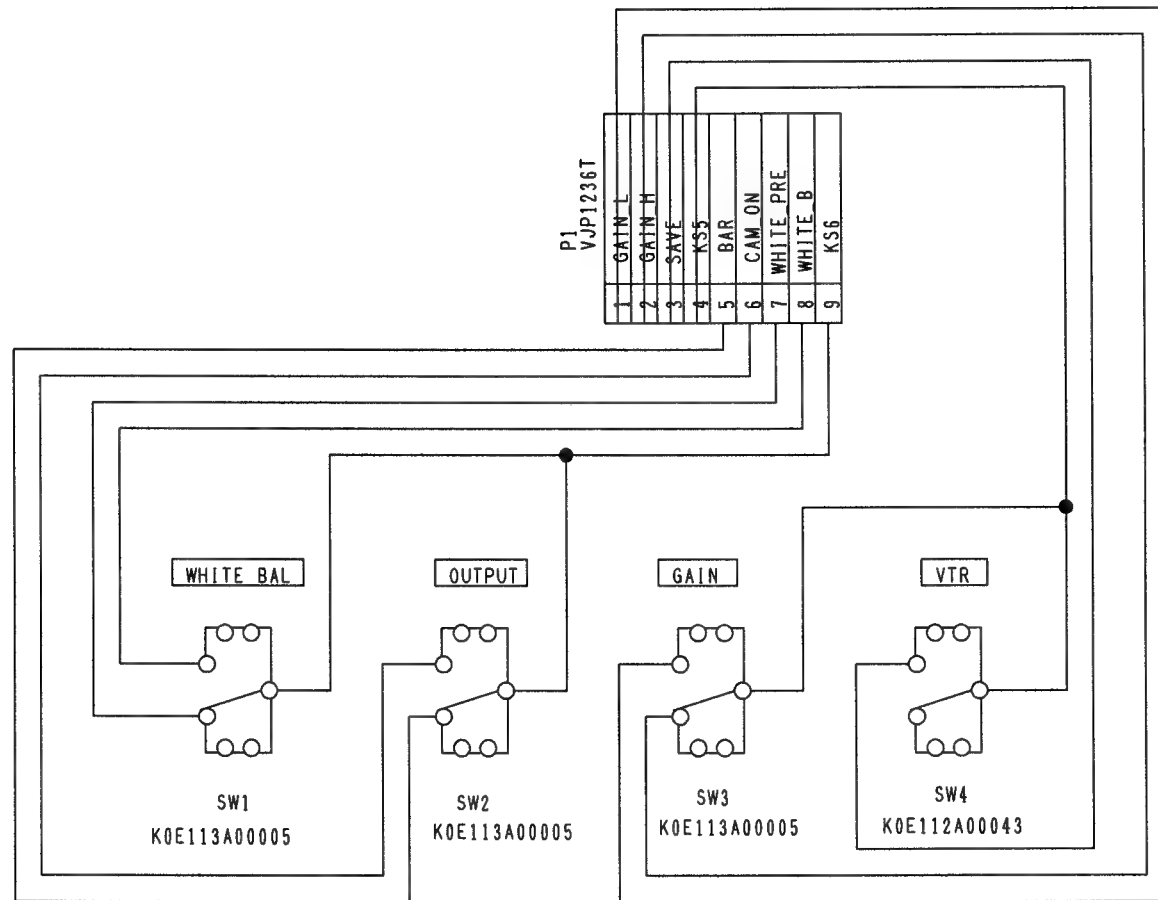
PAT=PATTERN ONLY

COMPONENT NAME	AUTO_IRIS		01/01
CIRCUIT BOARD NO.		DRAWING NO.	
PAL: VEP80C00A		KR0Q07	
		SCM057	



PAT=PATTERN ONLY

COMPONENT NAME	LED		01/01
CIRCUIT BOARD NO.		DRAWING NO.	
PAL: VEP80C01B		KR0Q08	
		SCM057	



PAT=PATTERN ONLY

COMPONENT NAME	TOGGLE SW		01/01
CIRCUIT BOARD NO.		DRAWING NO.	
PAL: VEP80B94A		KR0Q01	
		SCM058	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

A
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I
J

P1 VJP1598T	
CC_FILTER1	1
CC_FILTER2	2
CC_FILTER3	3
CC_FILTER4	4
GND	5

P2 VJP1230T	
START_SW	1
NC	2
GND	3

P3 SZN_BOARD_IN	
+3V	1
CC_FILTER	2
ND_FILTER	3
GND	4

P4 VJP3125D010	
AT_MA_L	1
AT_RE_L	2
IP_B	3
ID_CO	4
EXT_ANS	5
LENS+12V	6
RET_SW	7
START_SW	8
UNREG_GND	9
ZOOM	10

R2	0/J3
R3	5600/J3
R4	18K/J3
R5	100K/J3

R1	PAT/J3
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R6	PAT/J3
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L1	VLF1315A102T
L2	VLF1315A102T
L3	VLF1315A102T
L4	VLF1315A102T
L5	VLF1315A102T
L6	25U
L7	VLF1315A102T

L8	VLF1315A102T
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SW1	VST0194
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SW2	VST0195
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L9	VLF1315A102T
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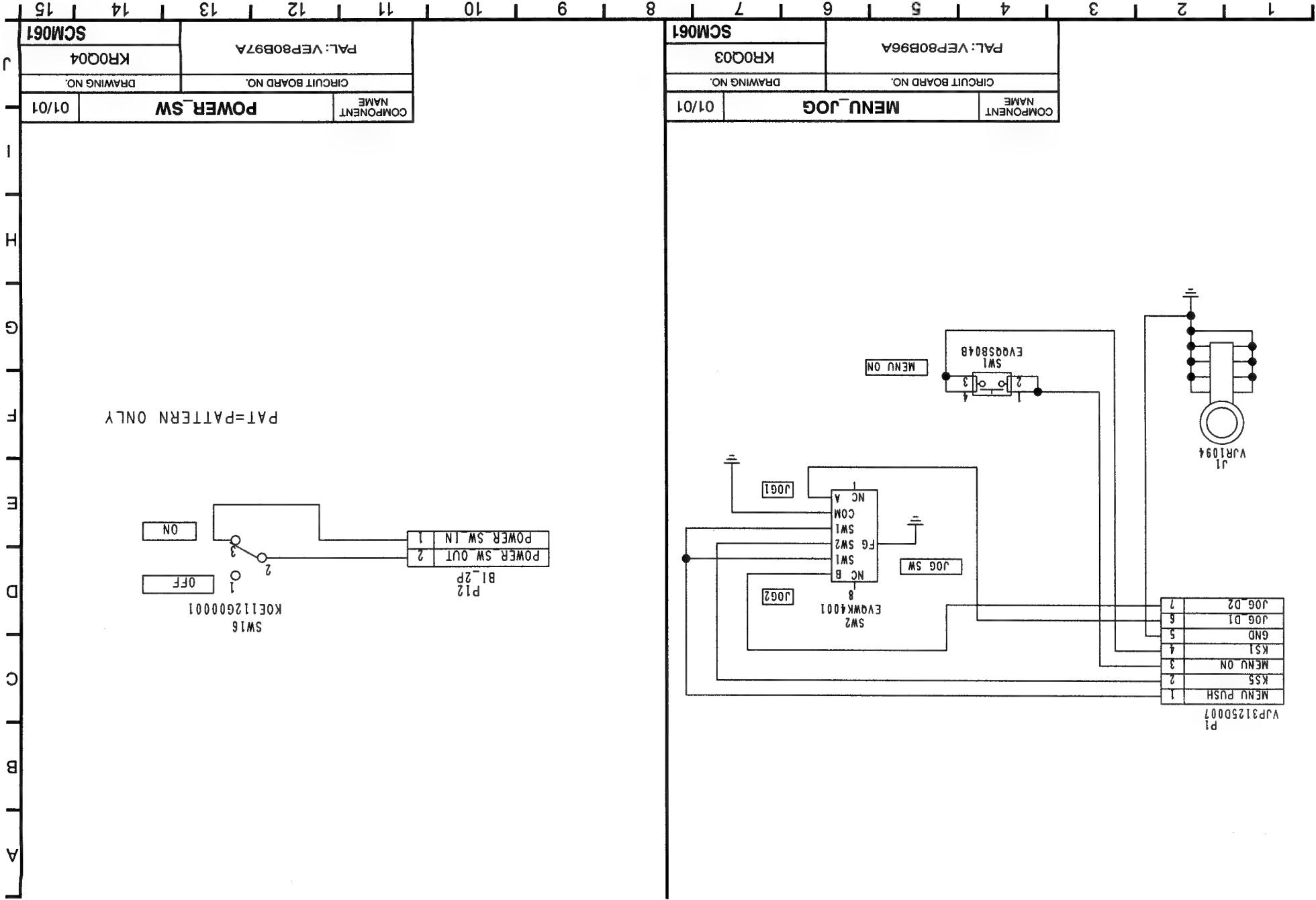
P5 VJS3826C020	
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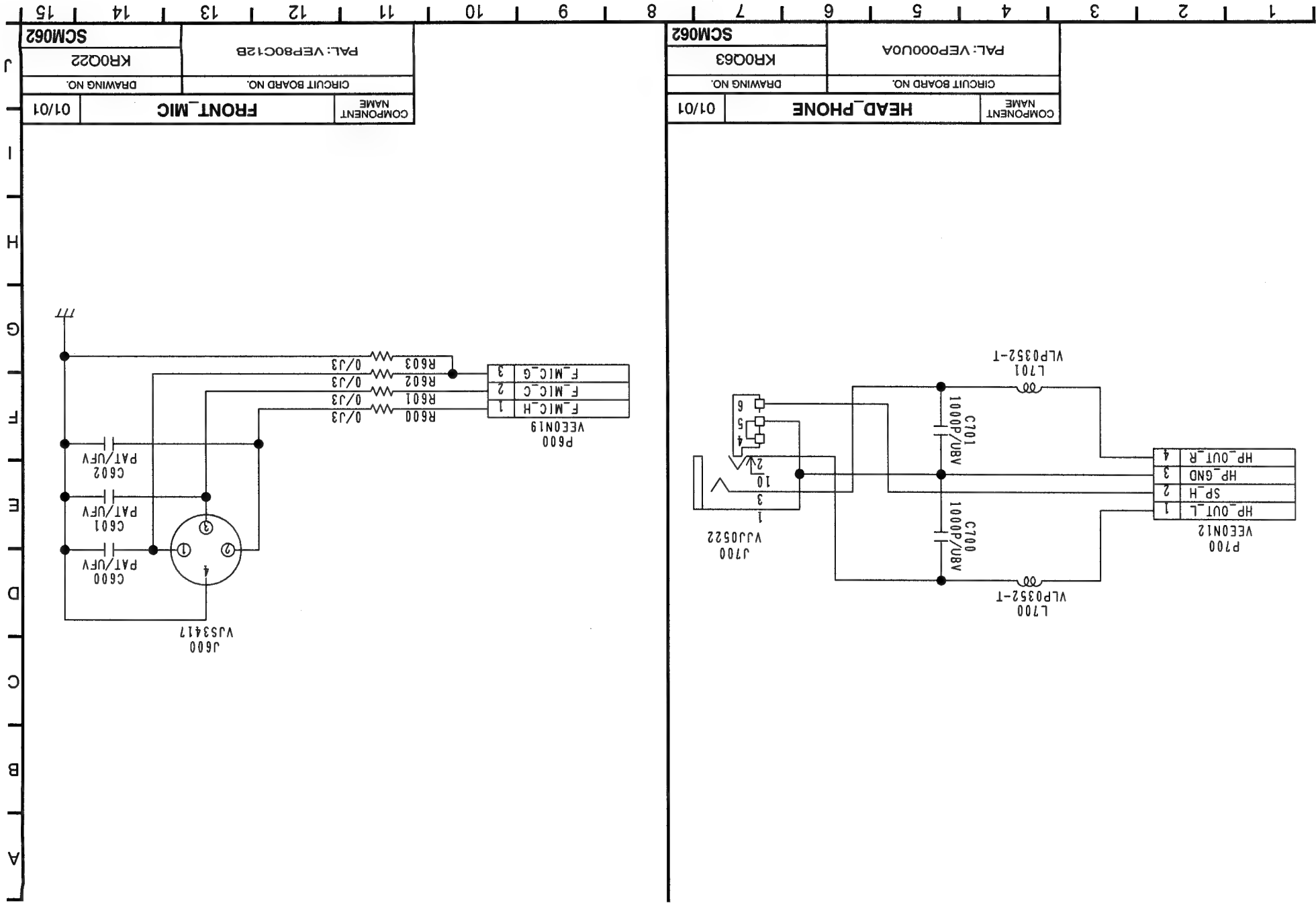
1	GND
2	CC_FILTER
3	AWB_SW
4	ABB_SW
5	SHUT_SW_1
6	SHUT_SW_2
7	GND
8	START_SW
9	GND
10	+3V
11	ND_FILTER
12	GND
13	AT_MA_L1
14	AT_RE_L1
15	IP_B1
16	ID_CO1
17	EXT_ANS1
18	LENS+12V1
19	RET_SW1
20	ZOOM1

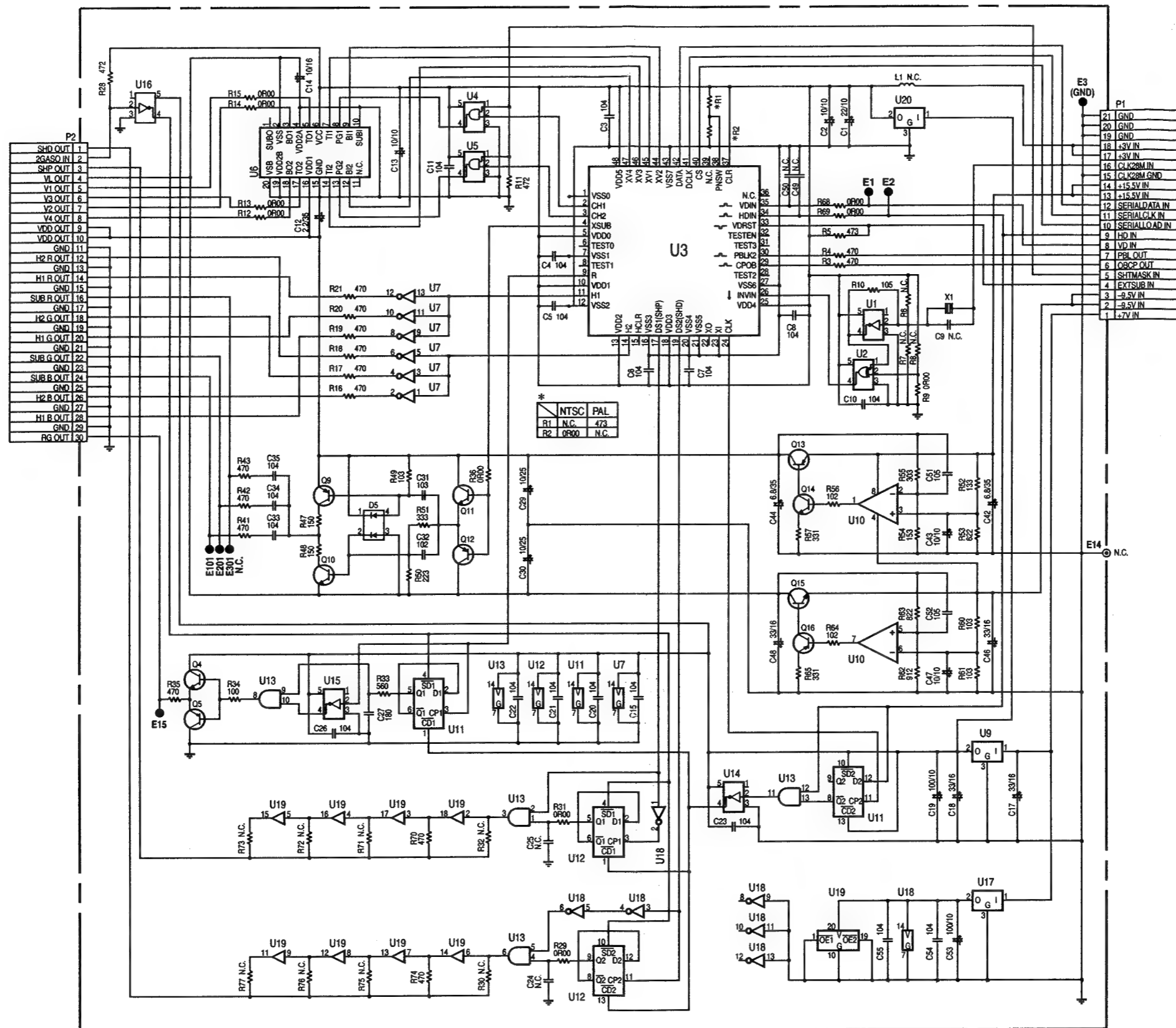
COMPONENT NAME	FRONT TOGGLE SW	01/01
CIRCUIT BOARD NO.		DRAWING NO.
PAL: VEP80C02A		KR0Q10
		SCM059

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

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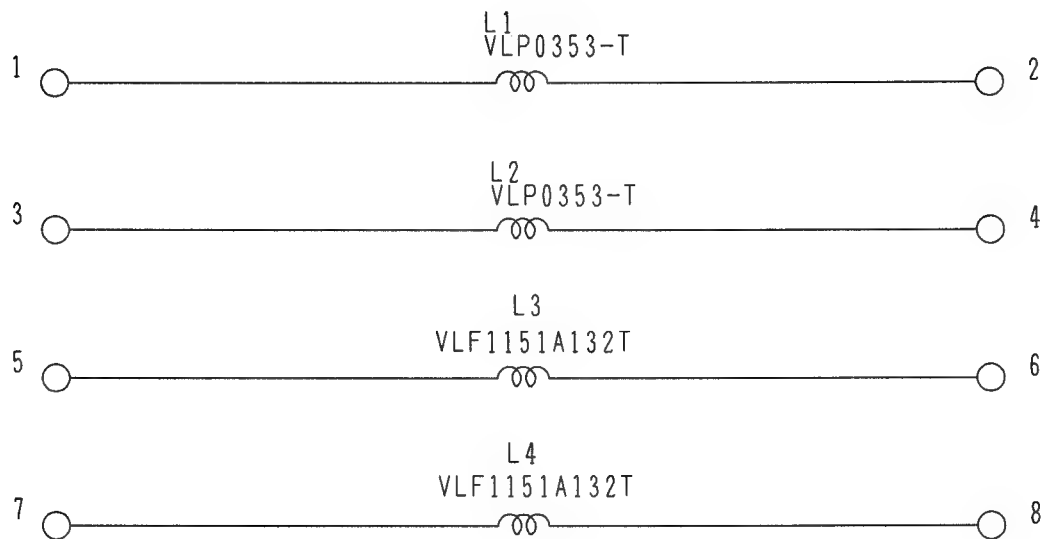




COMPONENT NAME	DRIVE	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
PAL: WE600EKF1B		
	SCM063	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

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COMPONENT NAME	FILTER		01/01
CIRCUIT BOARD NO.		DRAWING NO.	
PAL: VEP000W0A		KR0R27	
		SCM064	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

A

B

C

D

E

F

G

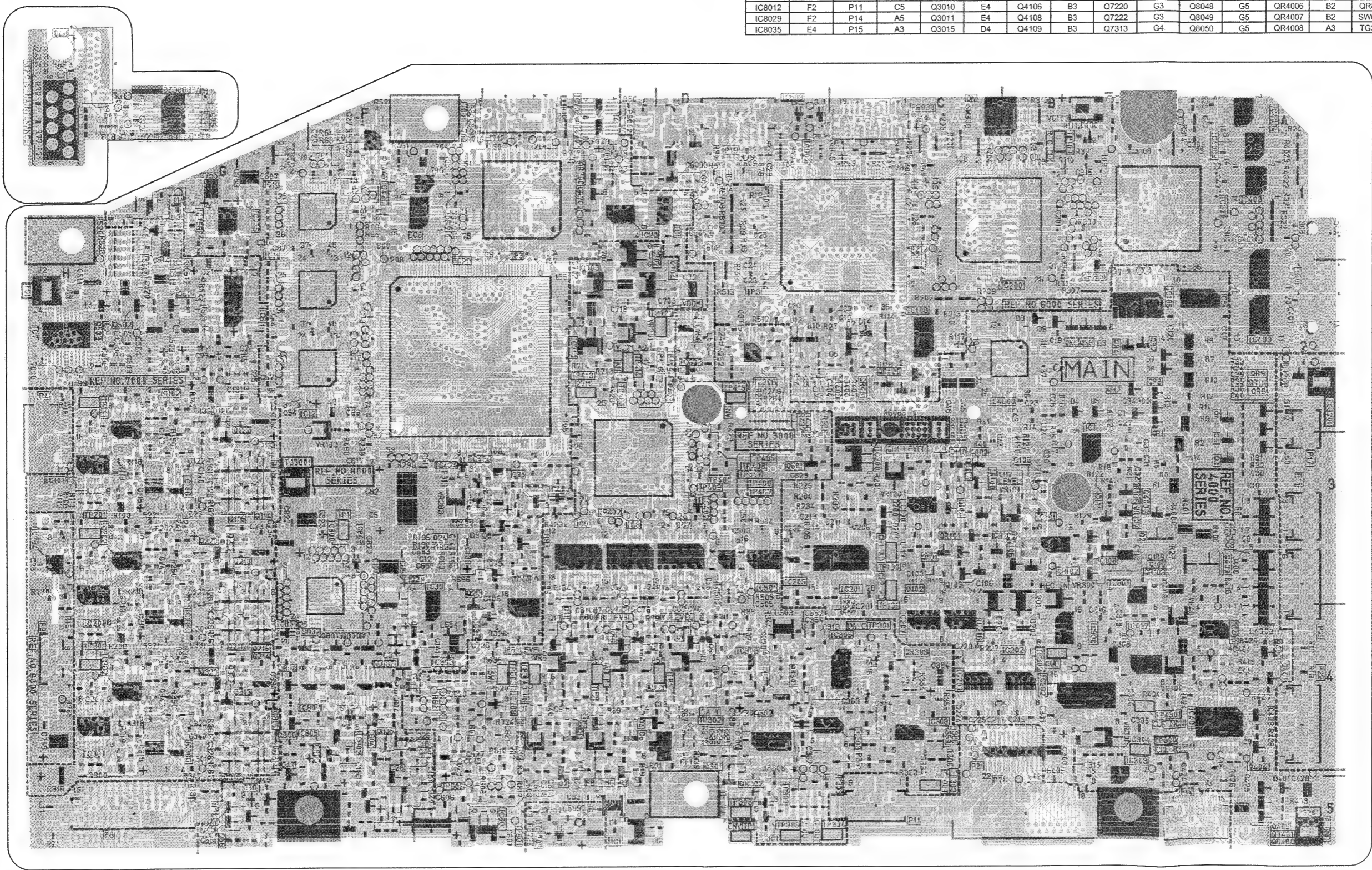
H

I

J

MAIN C.B.A (VEP83551E)
REMOTE MAINTENANCE C.B.A. (VEP80C20A)

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC3001	E5	IC8041	E3	P17	A2	Q3016	E4	Q4110	C3	Q7314	G4	Q8055	G5	QR4009	A2	TG3701	A2
IC3307	D5	IC8424	F3	P19	D1	Q3017	E4	Q4111	B3	Q7315	G4	Q8056	G5	QR4010	A2	TG3701	A2
IC3402	D3	IC8430	F3	P20	A2	Q3301	D5	Q4400	A3	Q7316	G4	Q8800	F4	QR4100	C3	TG7901	H2
IC3601	E5	IC8431	F3	P21	B4	Q3302	D4	Q4401	A4	Q7320	G4	Q8801	F4	QR4101	C3	TP1	D5
IC3702	E1	IC8603	D2	P22	A4	Q3601	D3	Q4402	A4	Q7322	G4	Q8802	G4	QR4102	B3	TP3001	D4
IC3703	E5	IC8604	G1	P23	A3	Q3703	E2	Q4403	A4	Q7501	G2	Q8803	F4	QR4103	B3	TP3002	E4
IC3708	E4	IC8800	F3	P70	H1	Q3704	E2	Q4404	A4	Q7502	G2	Q8804	G4	QR4104	C3	TP3003	E4
IC3710	E2	IC8802	F4	P6000	C1	Q4000	B3	Q4405	A5	Q7503	H2	Q8805	F4	QR4105	C3	TP3303	C5
IC4000	B2	IC8803	F4	P6002	D1	Q4002	B3	Q7113	G3	Q8021	F4	Q8806	G4	QR4106	B3	TP3304	C5
IC4200	C3	IC8808	F3	P8000	E1	Q4003	A3	Q7114	G3	Q8023	E3	QR3301	D4	QR4107	B3	TP3305	D5
IC6200	C1	IC8809	G4	Q3001	E4	Q4004	A2	Q7115	G3	Q8024	E3	QR3302	D5	QR4400	A5	TP3306	D5
IC6301	B1	IP3402	E3	Q3002	E4	Q4005	A3	Q7116	G3	Q8025	E3	QR3303	C4	QR4401	A5	TP3413	E2
IC6502	D1	IP6003	C1	Q3004	E4	Q4100	C3	Q7120	G2	Q8026	F4	QR4000	B2	QR6201	A2	TP3414	E2
IC6503	D1	IP8003	E1	Q3005	E4	Q4101	C3	Q7122	G3	Q8027	F4	QR4001	B2	QR6300	B2	TP3415	D2
IC7501	G1	P3	H4	Q3006	E4	Q4102	C3	Q7213	G3	Q8028	F4	QR4002	B2	QR6400	C2	TP3603	E4
IC7502	G1	P4	H3	Q3007	E4	Q4103	C3	Q7214	G4	Q8044	F5	QR4003	B2	QR6401	C2	TP3701	D2
IC8010	F1	P7	B5	Q3008	E4	Q4104	C3	Q7215	G3	Q8045	F5	QR4004	B2	QR6403	C2	VC6100	B1
IC8011	F2	P8	H5	Q3009	D4	Q4105	B3	Q7216	G4	Q8047	G4	QR4005	B2	QR8700	E1		
IC8012	F2	P11	C5	Q3010	E4	Q4106	B3	Q7220	G3	Q8048	G5	QR4006	B2	QR8702	E1		
IC8029	F2	P14	A5	Q3011	E4	Q4108	B3	Q7222	G3	Q8049	G5	QR4007	B2	SW6300	C1		
IC8035	E4	P15	A3	Q3015	D4	Q4109	B3	Q7313	G4	Q8050	G5	QR4008	A3	TG3001	G3		

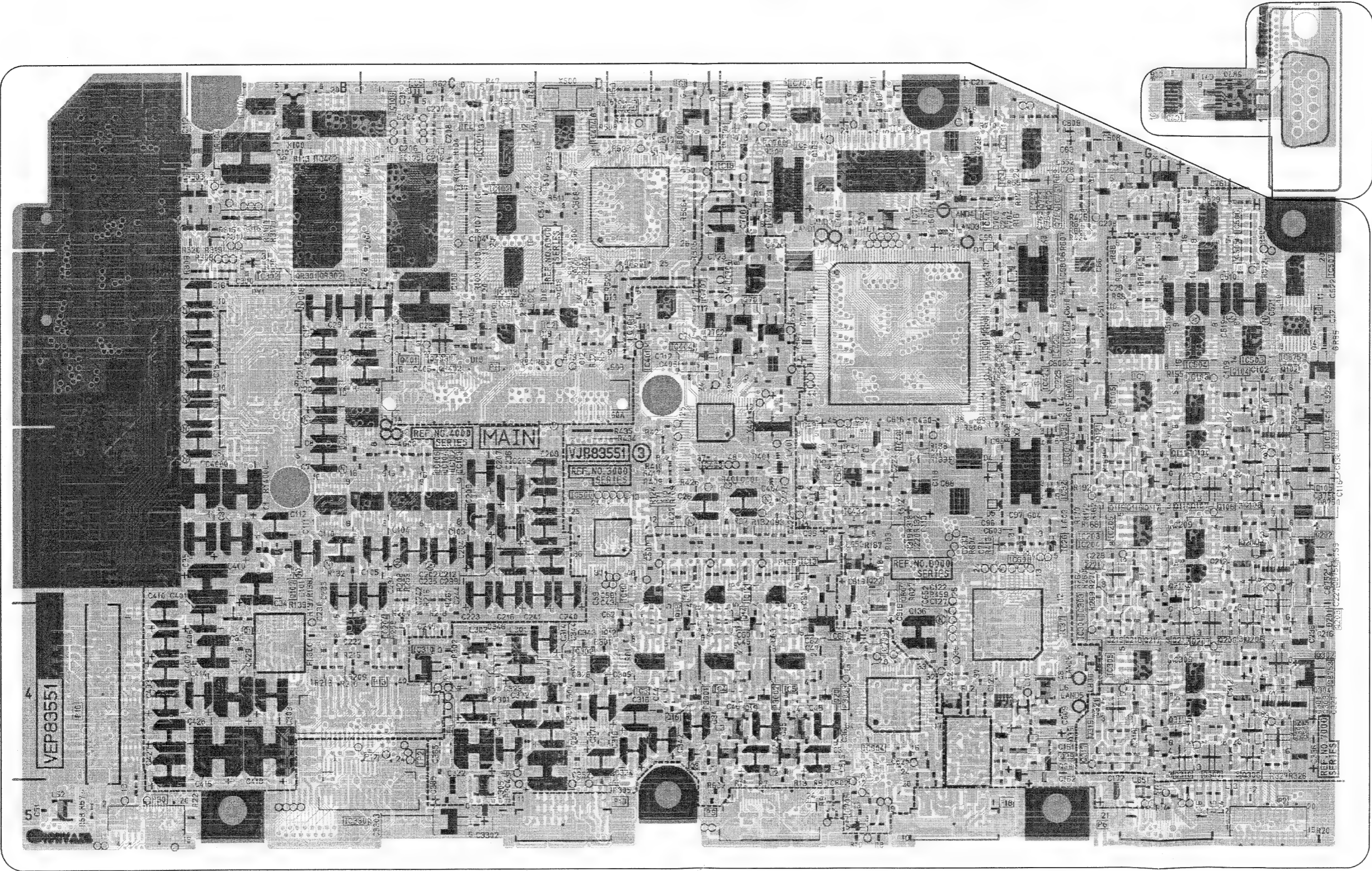


(FOIL SIDE)

CBA-1

MAIN C.B.A (VEP83551E)
REMOTE MAINTENANCE C.B.A. (VEP80C20A)

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC70	G1	IC3707	D2	IC6402	B1	IC8007	E1	IC8607	G3	P8001	G2	Q7110	G3	Q7304	H4	Q8753	H4
IC3003	D4	IC3709	E4	IC6404	D1	IC8009	F1	IC8700	E1	Q3003	D4	Q7111	G3	Q7305	H4	Q8754	G1
IC3004	E4	IC4002	B2	IC7001	G2	IC8018	E1	IC8701	E1	Q3012	D4	Q7117	G3	Q7306	H4	Q8807	E4
IC3005	E4	IC4102	C3	IC7005	G2	IC8026	F3	IC8704	E1	Q3013	D4	Q7118	G3	Q7307	G4	QR6301	A1
IC3006	E4	IC4103	C3	IC7008	H2	IC8030	F2	IC8751	G1	Q3014	E4	Q7119	G3	Q7308	H4	QR6302	B1
IC3010	D3	IC4104	C3	IC7103	G2	IC8031	F3	IC8757	H2	Q3018	D4	Q7121	G3	Q7310	G4	QR6303	A1
IC3011	E3	IC4106	B3	IC7104	G3	IC8032	F3	IP6501	D1	Q3019	E4	Q7202	H3	Q7311	G4	QR6304	B1
IC3012	E3	IC4204	B4	IC7105	G2	IC8037	F4	P1	C2	Q3020	E4	Q7203	H3	Q7317	G4	QR6402	C2
IC3013	E3	IC6000	D1	IC7203	G3	IC8042	E1	P2	H5	Q3701	E2	Q7204	H3	Q7318	G4	SW70	H1
IC3301	C5	IC6001	D1	IC7204	G3	IC8044	F1	P6	G5	Q3702	E2	Q7205	H4	Q7319	G4	TP2	C4
IC3302	D4	IC6002	D2	IC7205	G3	IC8047	G1	P9	E5	Q4001	B4	Q7206	H3	Q7321	G4		
IC3310	C4	IC6004	C1	IC7303	G4	IC8048	E3	P10	D5	Q4107	B3	Q7207	G4	Q8004	E3		
IC3401	E2	IC6005	C1	IC7304	G4	IC8049	E3	P12	C5	Q6401	C2	Q7208	H4	Q8022	E3		
IC3403	E2	IC6006	C2	IC7305	G4	IC8050	E3	P13	C4	Q6403	C2	Q7210	G4	Q8035	F4		
IC3404	D2	IC6101	C1	IC7503	H2	IC8051	E3	P16	A4	Q7102	H2	Q7211	G4	Q8038	F4		
IC3500	D3	IC6102	C1	IC7504	G2	IC8422	F2	P18	F5	Q7103	H3	Q7217	G4	Q8039	F4		
IC3602	E5	IC6103	C2	IC7505	G2	IC8423	F2	P30	A5	Q7104	H2	Q7218	G3	Q8058	F2		
IC3604	F4	IC6105	C1	IC7506	G1	IC8425	F2	P71	H1	Q7105	H3	Q7219	G3	Q8059	F2		
IC3704	E2	IC6106	B1	IC7507	H2	IC8432	E3	P3001	D4	Q7106	H3	Q7221	G3	Q8750	H3		
IC3705	E5	IC6107	B1	IC8004	F1	IC8601	F3	P3002	E4	Q7107	G3	Q7302	H4	Q8751	G1		
IC3706	D2	IC6302	B2	IC8005	E1	IC8605	G2	P3003	E4	Q7108	H3	Q7303	H4	Q8752	G1		

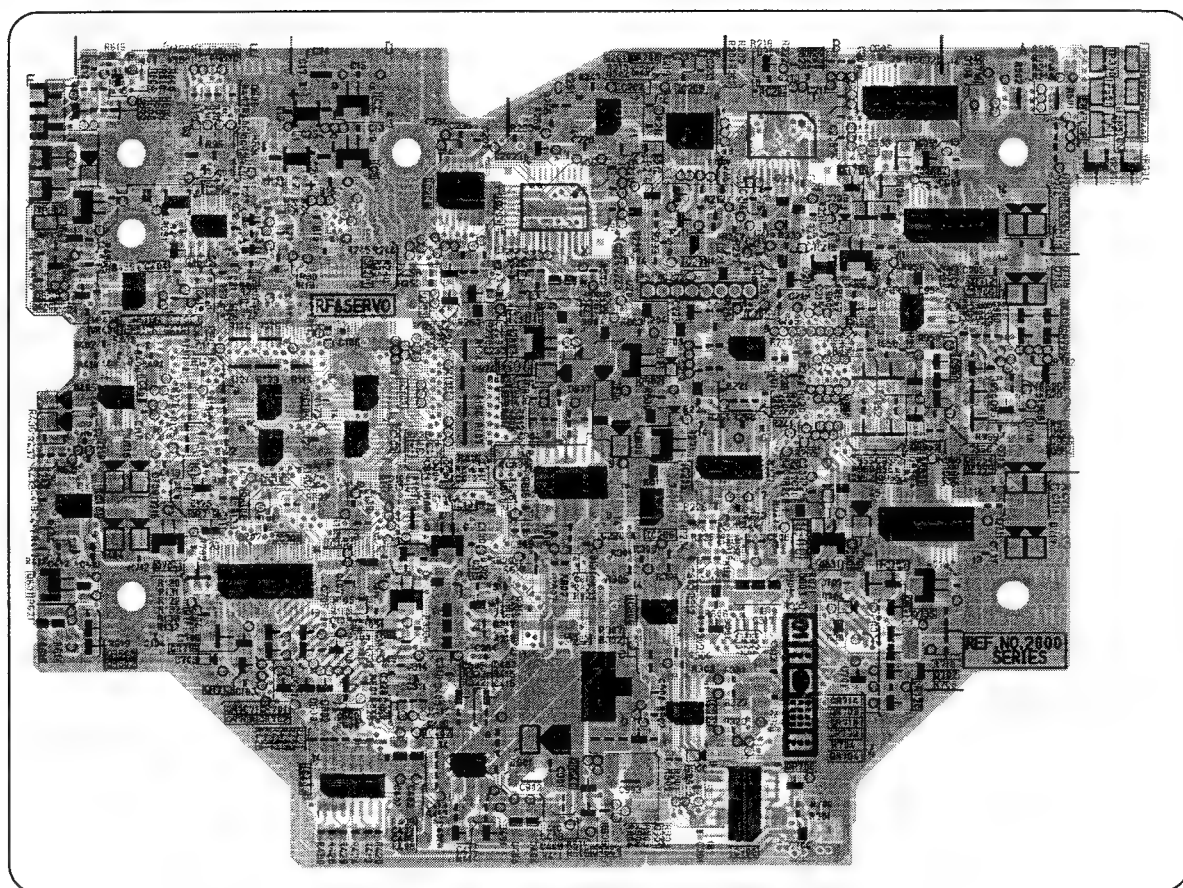


(COMPONENT SIDE)

CBA-2

RF & SERVO C.B.A (VEP82241A)

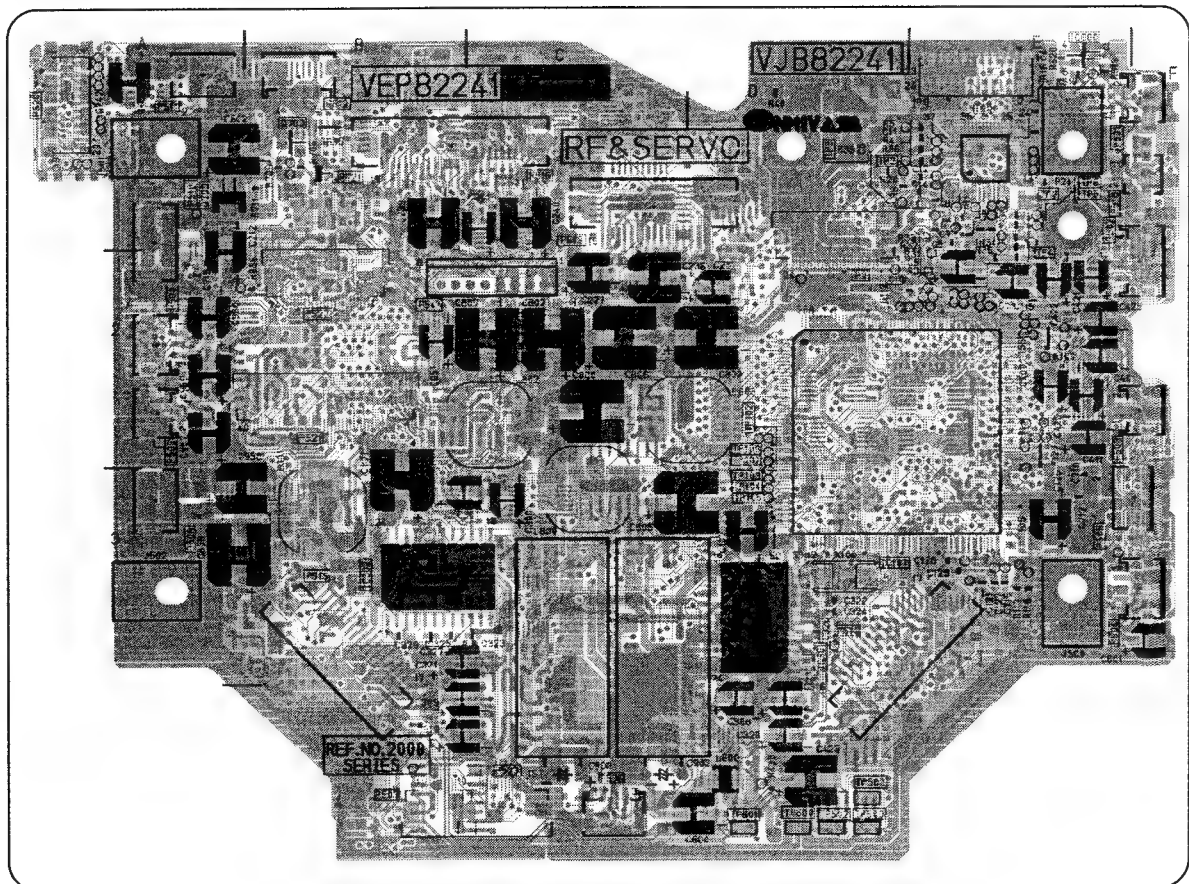
REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC2	D1	IC204	B1	IC702	B3	Q704	E3	QR201	D2	QR709	B3	QR954	B2
IC3	D1	IC205	B2	IC703	A1	Q705	B3	QR600	C3	QR710	B3	TP1	A1
IC4	E1	IC206	C3	IC800	C3	Q800	C2	QR601	C3	QR711	A2	TP300	A1
IC5	E1	IC207	C1	IC900	C3	Q801	B3	QR602	E3	QR712	A2	TP301	A1
IC6	E1	IC208	D1	IC950	B2	Q802	C2	QR603	E3	QR713	E3	TP302	F1
IC100	E2	IC209	C1	Q200	C1	Q803	C2	QR604	B1	QR714	B3	TP400	A1
IC101	D3	IC300	C3	Q201	C1	Q900	C3	QR605	E1	QR715	B1	TP501	A1
IC102	D2	IC400	E2	Q202	D2	Q901	C3	QR700	B3	QR716	E3	TP950	A1
IC103	D2	IC401	F3	Q203	D2	Q950	B2	QR701	D3	QR717	B3	VR300	A1
IC104	E2	IC402	D3	Q400	E2	Q951	B2	QR702	D3	QR718	B1	VR301	A1
IC105	D3	IC403	D3	Q600	D3	Q952	B2	QR703	B3	QR719	E3	VR400	F1
IC106	D3	IC404	E2	Q601	F3	Q953	B2	QR704	B3	QR720	B3	VR401	F1
IC200	B2	IC601	E1	Q602	E1	Q954	A2	QR705	A2	QR950	B2	VR600	F1
IC201	C1	IC602	B1	Q603	F2	Q955	A2	QR706	A2	QR951	B2	VR601	F1
IC202	C1	IC700	B3	Q701	E3	QR100	E3	QR707	E3	QR952	B2		
IC203	B2	IC701	E3	Q702	A3	QR200	C1	QR708	E3	QR953	B2		



(FOIL SIDE)

RF & SERVO C.B.A (VEP82241A)

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	E1	P504	F3	P515	B3	TP2	D1	TP105	D3
IC107	D2	P505	F3	P516	B1	TP3	D1	TP500	D3
IC301	D3	P506	C3	P517	C2	TP4	E1	TP502	D3
IC302	B3	P507	B3	P518	F1	TP5	E1	TP503	D3
IC600	E1	P508	A3	P520	A1	TP6	E1	TP600	D3
P1	E1	P509	A2	P521	B2	TP7	E1	TP601	D3
P2	D1	P510	A1	P522	B2	TP100	D2		
P500	A2	P511	A1	P523	C3	TP101	D2		
P501	F1	P512	B1	Q700	B1	TP102	D3		
P502	F2	P513	C1	Q703	A1	TP103	D3		
P503	F2	P514	D3	QR721	B1	TP104	D3		

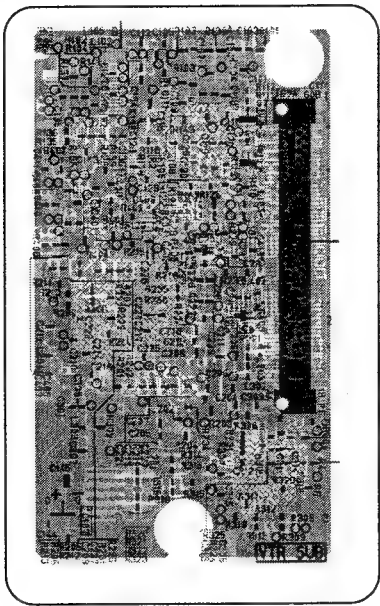


(COMPONENT SIDE)

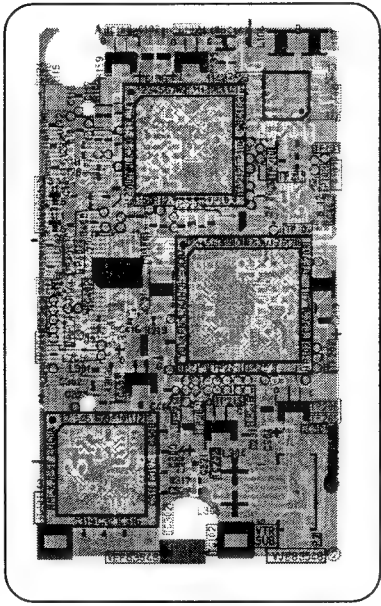
VTR SUB C.B.A (VEP83548B)

REF	LOC
IC1	A2
IC107	B3
IC205	A2
P1	A2
Q101	A1
Q102	A1

REF	LOC	REF	LOC
IC101	A1	TP106	A1
IC102	A1	TP107	B1
IC103	A1	TP108	B1
IC104	B1	TP201	A2
IC105	A1	TP202	A2
IC106	A1	TP203	A2
IC202	A2	TP204	A2
IC203	A2	TP205	B2
IC204	A1	TP206	B2
IC301	B2	TP207	B2
IC302	A3	TP208	B2
IC401	B1	TP209	B2
IC402	A2	TP210	B1
IC403	A2	TP211	B1
P2	B3	TP212	B1
TG101	A3	TP213	A2
TG102	A3	TP214	A2
TP101	B1	TP215	A2
TP102	B2	TP216	A2
TP103	B1	TP217	A2
TP104	B1	TP401	A1
TP105	B1	TP402	A1

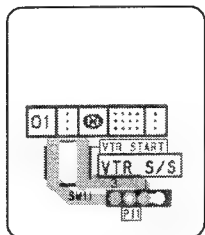


(FOIL SIDE)

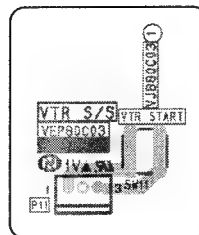


(COMPONENT SIDE)

VTR S/S C.B.A (VEP80C03A)

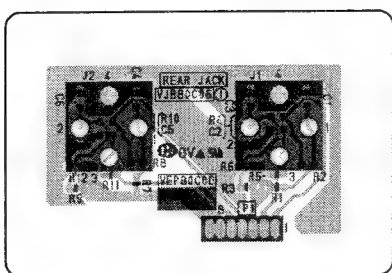


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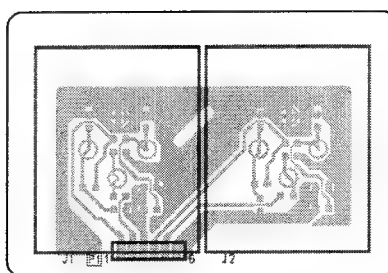


(COMPONENT SIDE)

REAR JACK C.B.A (VEP80C06B)

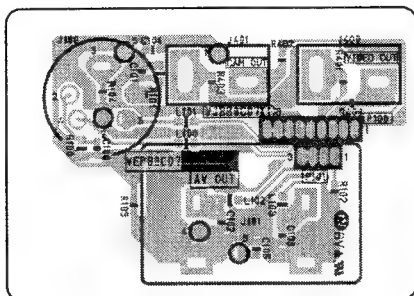


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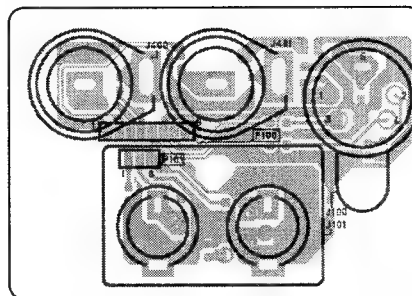


(COMPONENT SIDE)

AV OUT C.B.A (VEP80C07A)

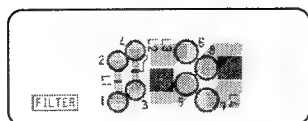


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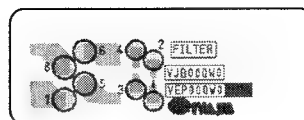


(COMPONENT SIDE)

FILTER C.B.A (VEP000W0A)

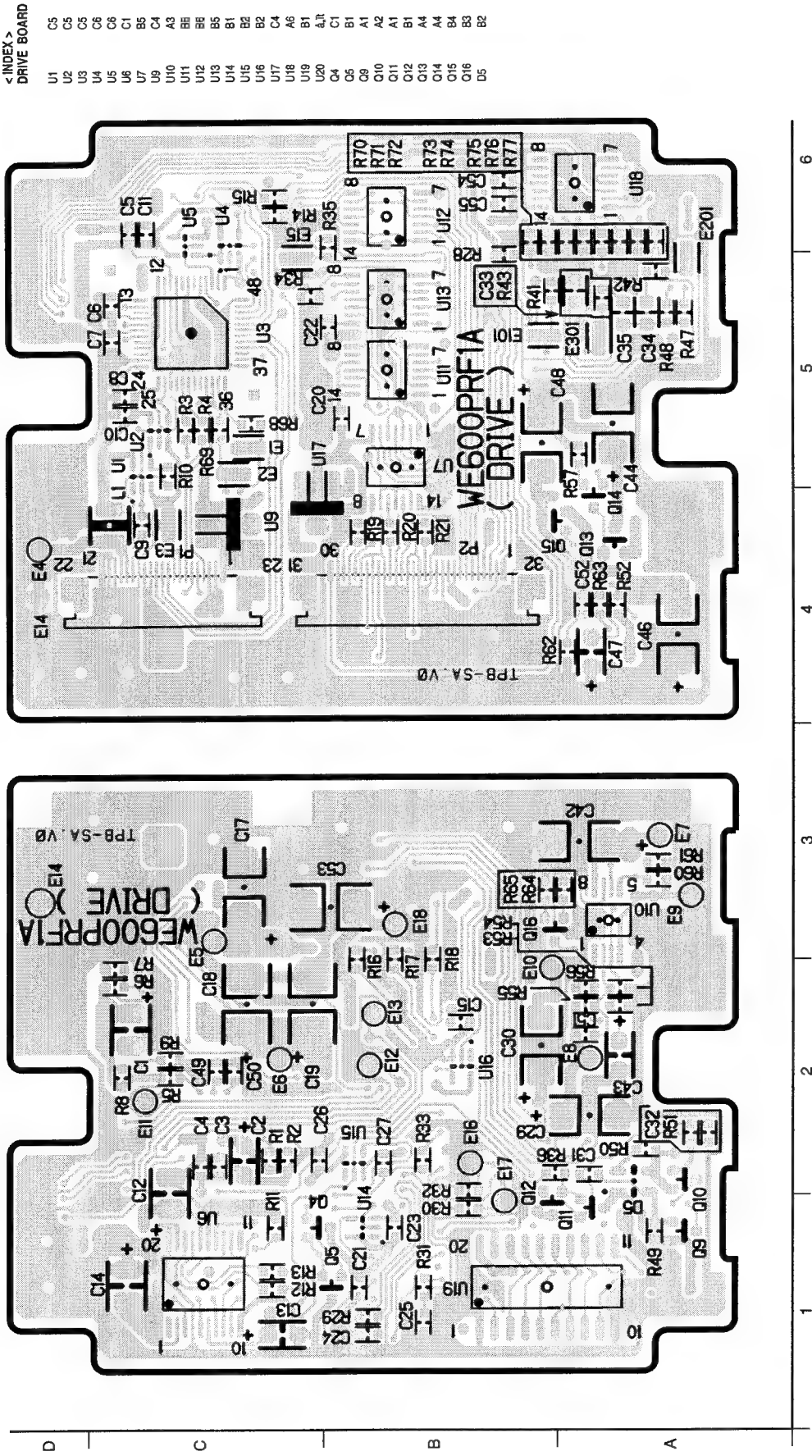


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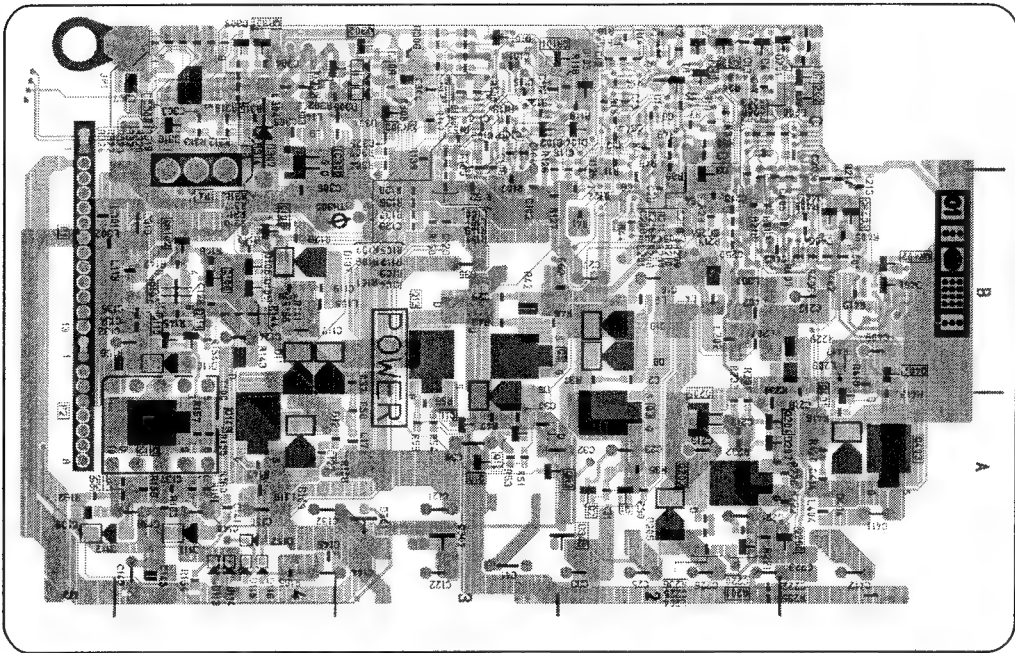


(COMPONENT SIDE)

DRIVE C.B.A (WE600EKF1B)

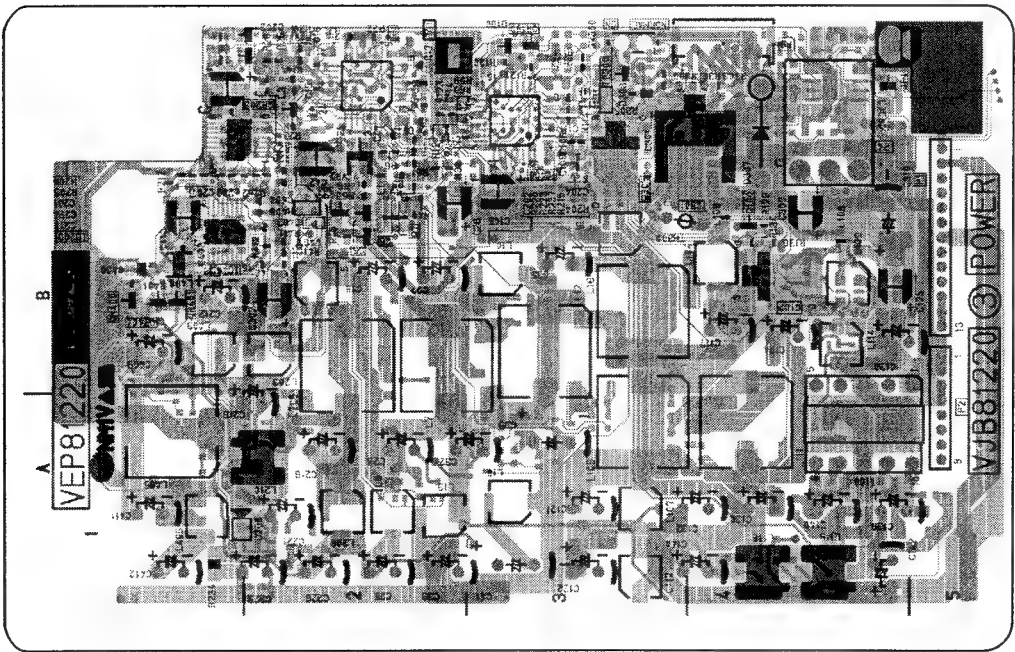


POWER C.B.A (VEP81220A)



(FOIL SIDE)

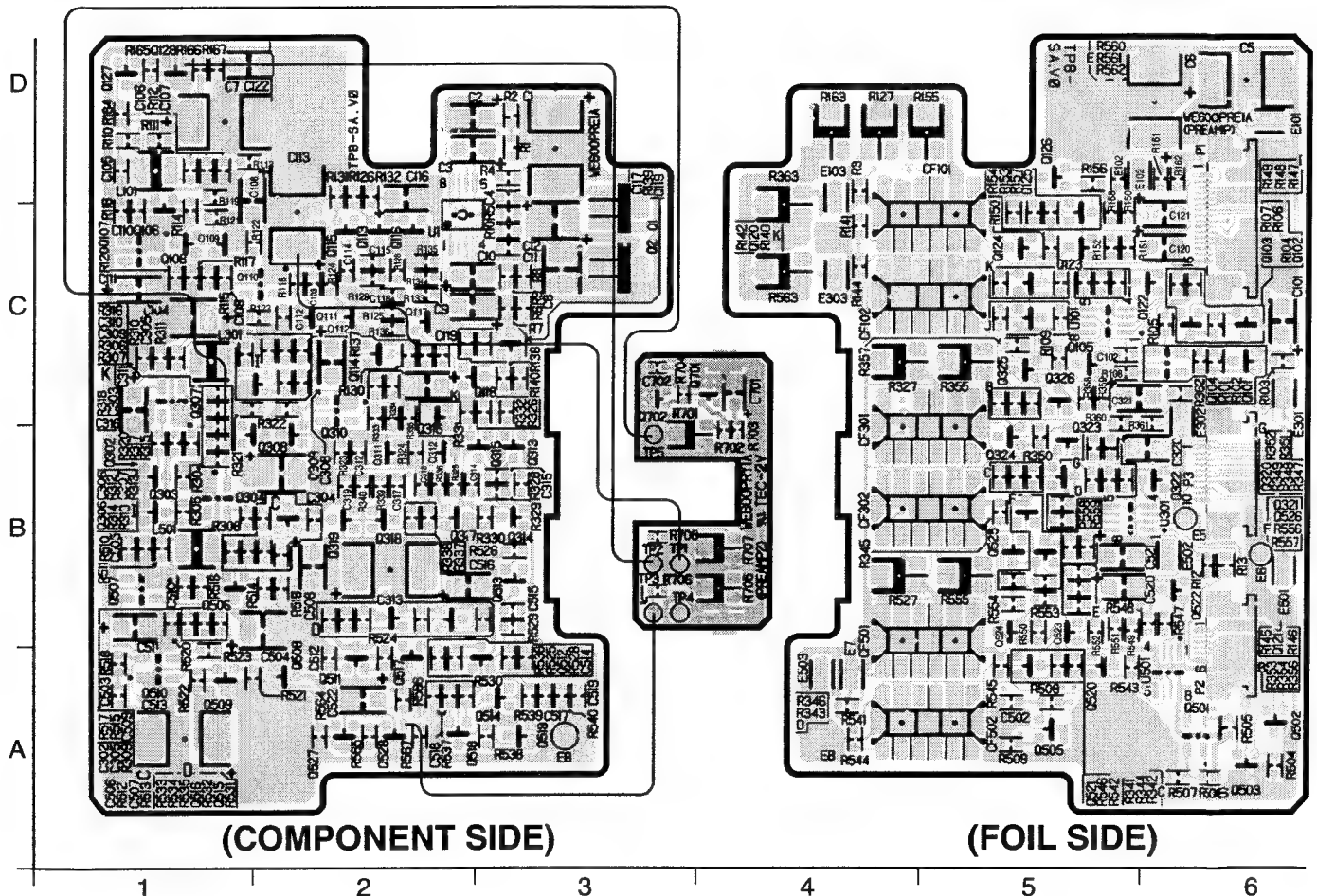
REF	LOC
IC300	B4
IC301	C4
Q1	A2
Q2	A2
Q3	A2
Q9	B3
Q10	A3
Q11	A3
Q12	A3
Q13	B3
Q101	B4
Q105	B4
Q106	B4
Q107	B4
Q108	B4
Q109	A4
Q110	B4
Q111	B4
Q112	A4
Q200	A1
Q201	A2
Q202	A2
Q204	A2
Q205	A2
Q300	C4
Q302	C3
Q401	A1
Q402	B1
Q403	A1
QR1	C2
QR2	C2
QR3	A3
QR101	C3
QR102	B4
QR202	C1
QR300	C3
QR301	C4
QR402	B1
QR403	B1



(COMPONENT SIDE)

REF	LOC
IC1	C2
IC100	C3
IC200	C1
IC400	B1
P1	C5
P2	B5
P3	C4
P4	C4
Q5	B2
Q6	B2
Q7	B2
Q8	B2
Q100	B4
Q102	B4
Q301	C4
Q303	C3
QR100	C3
QR203	C2
QR303	C4
QR400	B1
QR401	B1
QR404	B1
SW300	C3
TG1	C2
TP3	B2
TP300	C3
VR2	C2

PREAMP2 C.B.A (WE600PKY1A) PREAMP C.B.A (WE600EKE1B)



<INDEX> PREAMP. BOARD

U1	C2	Q122	C6	Q323	B5	Q526	B5
U101	C5	Q123	C5	Q324	B5	Q527	A2
U301	B5	Q124	C5	Q325	C5	Q528	A2
U501	A6	Q125	C5	Q326	C5		
		Q126	D5	Q502	A6		
Q1	C3	Q127	D1	Q503	A6		
Q2	C3	Q128	D1	Q504	A6		
Q101	C6	Q302	B1	Q505	A5		
Q102	C6	Q303	B1	Q506	B1		
Q103	C6	Q304	B1	Q507	B1		
Q104	C6	Q305	B2	Q508	A2		
Q105	C5	Q306	C2	Q509	A1		
Q106	C1	Q307	C1	Q510	A1		
Q107	C1	Q308	B2	Q511	A2		
Q108	C1	Q309	B2	Q512	A3		
Q109	C1	Q310	C2	Q513	B3		
Q110	C2	Q311	B2	Q514	A3		
Q111	C2	Q312	B2	Q515	B2		
Q112	C2	Q313	B3	Q516	B2		
Q113	C2	Q314	B3	Q517	A2		
Q114	C2	Q315	B3	Q518	A2		
Q115	C2	Q316	C2	Q519	A3		
Q116	C2	Q317	B2	Q520	A5		
Q117	C2	Q318	B2	Q521	A5		
Q118	C2	Q319	B2	Q522	B6		
Q119	C3	Q320	B5	Q523	B5		
Q120	C5	Q321	B5	Q524	B5		
Q121	C5	Q322	B6	Q525	B5		

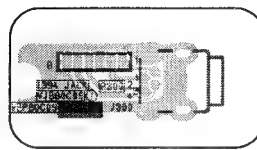
<INDEX> PREAMP.-SUB BOARD

Q701	C4
Q702	C3

1394 JACK C.B.A (VEP80C09A)

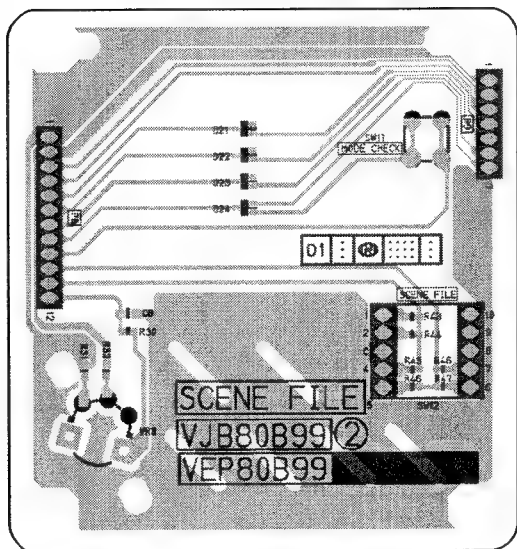


(FOIL SIDE)

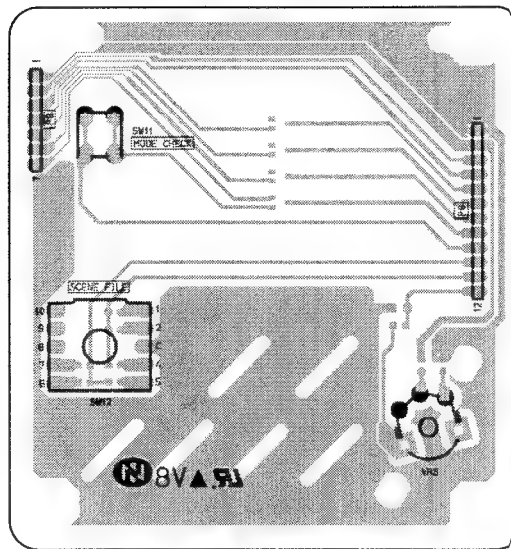


(COMPONENT SIDE)

SCENE FILE C.B.A (VEP80B99A)

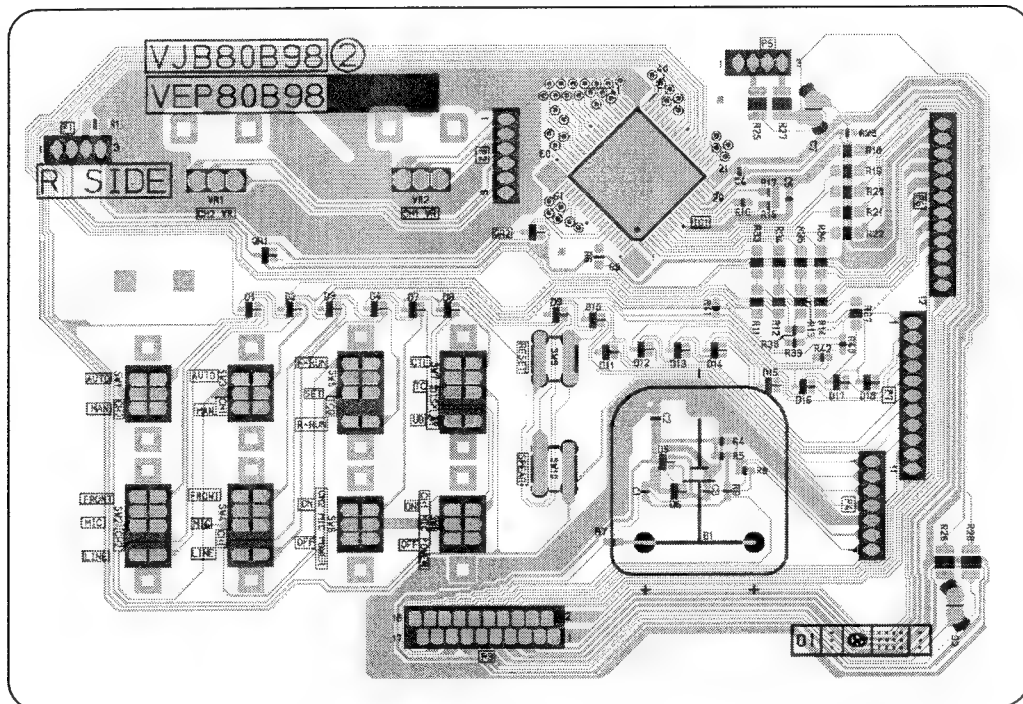


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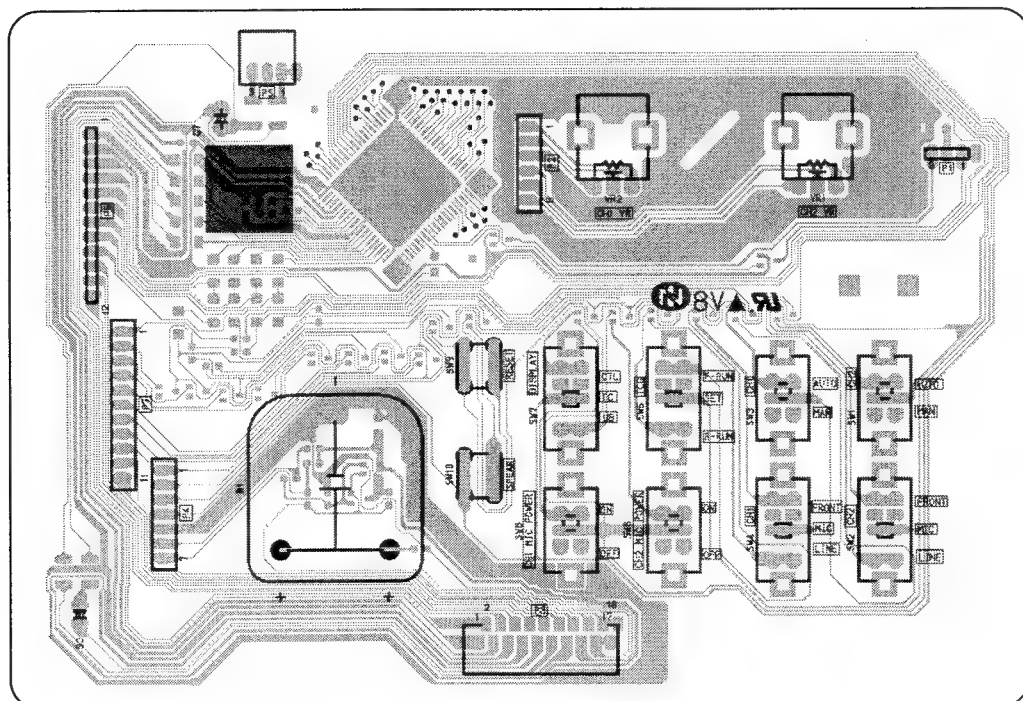


(COMPONENT SIDE)

R SIDE C.B.A (VEP80B98A)

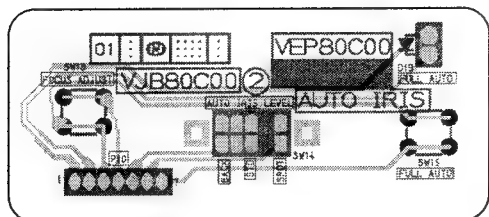


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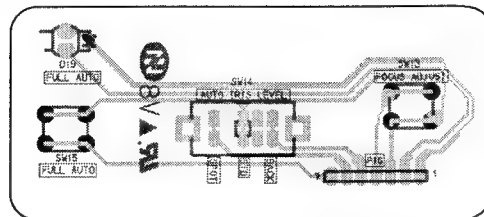


(COMPONENT SIDE)

AUTO IRIS C.B.A (VEP80C00A)

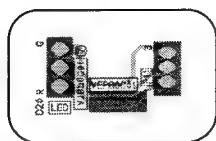


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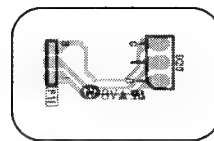


(COMPONENT SIDE)

LED C.B.A (VEP80C01B)

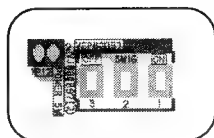


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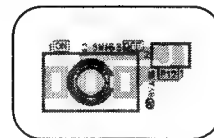


(COMPONENT SIDE)

POWER SW C.B.A (VEP80B97A)

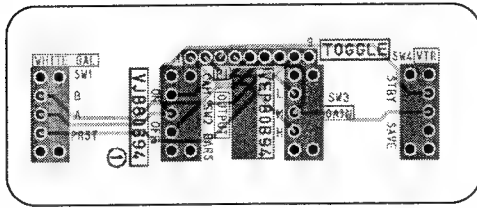


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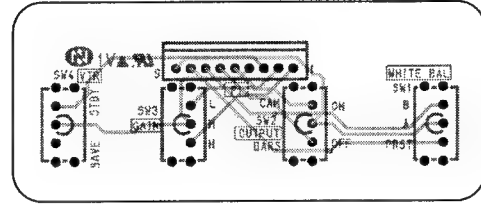


(COMPONENT SIDE)

TOGGLE SW C.B.A (VEP80B94A)

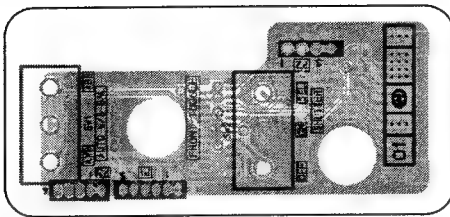


(FOIL SIDE)

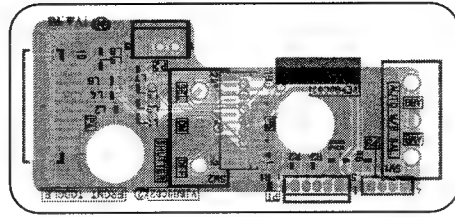


(COMPONENT SIDE)

FRONT TOGGLE SW C.B.A (VEP80C02A)

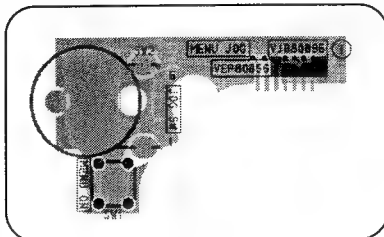


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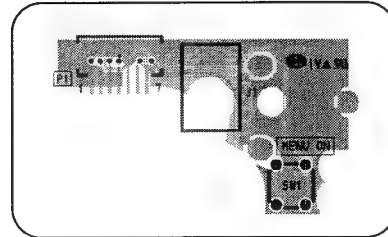


(COMPONENT SIDE)

MENU JOG C.B.A (VEP80B96A)

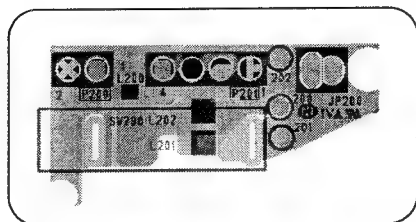


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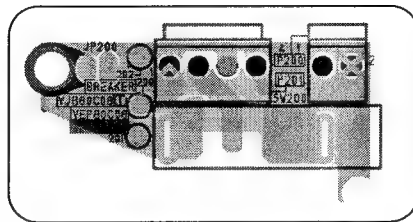


(COMPONENT SIDE)

BREAKER C.B.A (VEP80C08A)

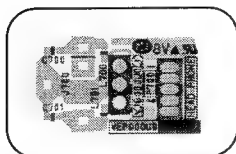


(FOIL SIDE)

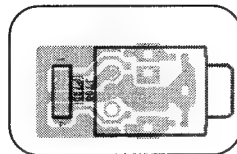


(COMPONENT SIDE)

HEAD PHONE C.B.A (VEP000U0A)

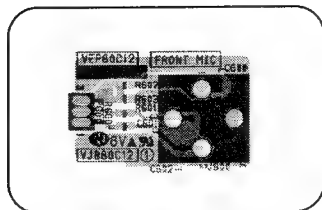


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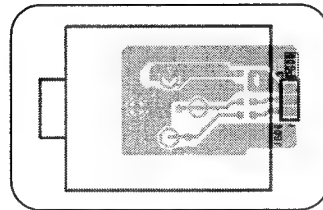


(COMPONENT SIDE)

FRONT MIC C.B.A (VEP80C12B)

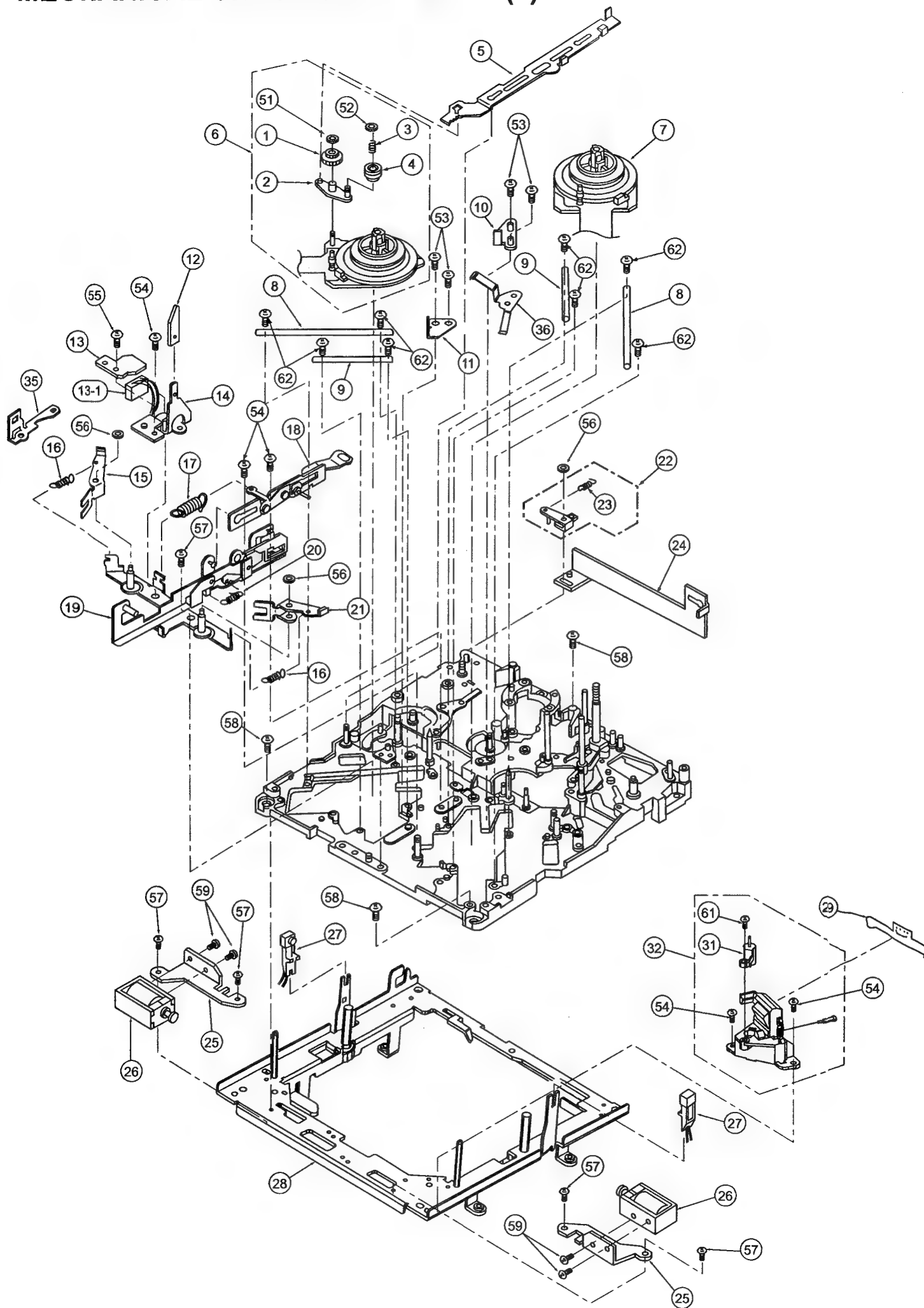


(FOIL SIDE)




(COMPONENT SIDE)

MECHANICAL CHASSIS ASSEMBLY (1)

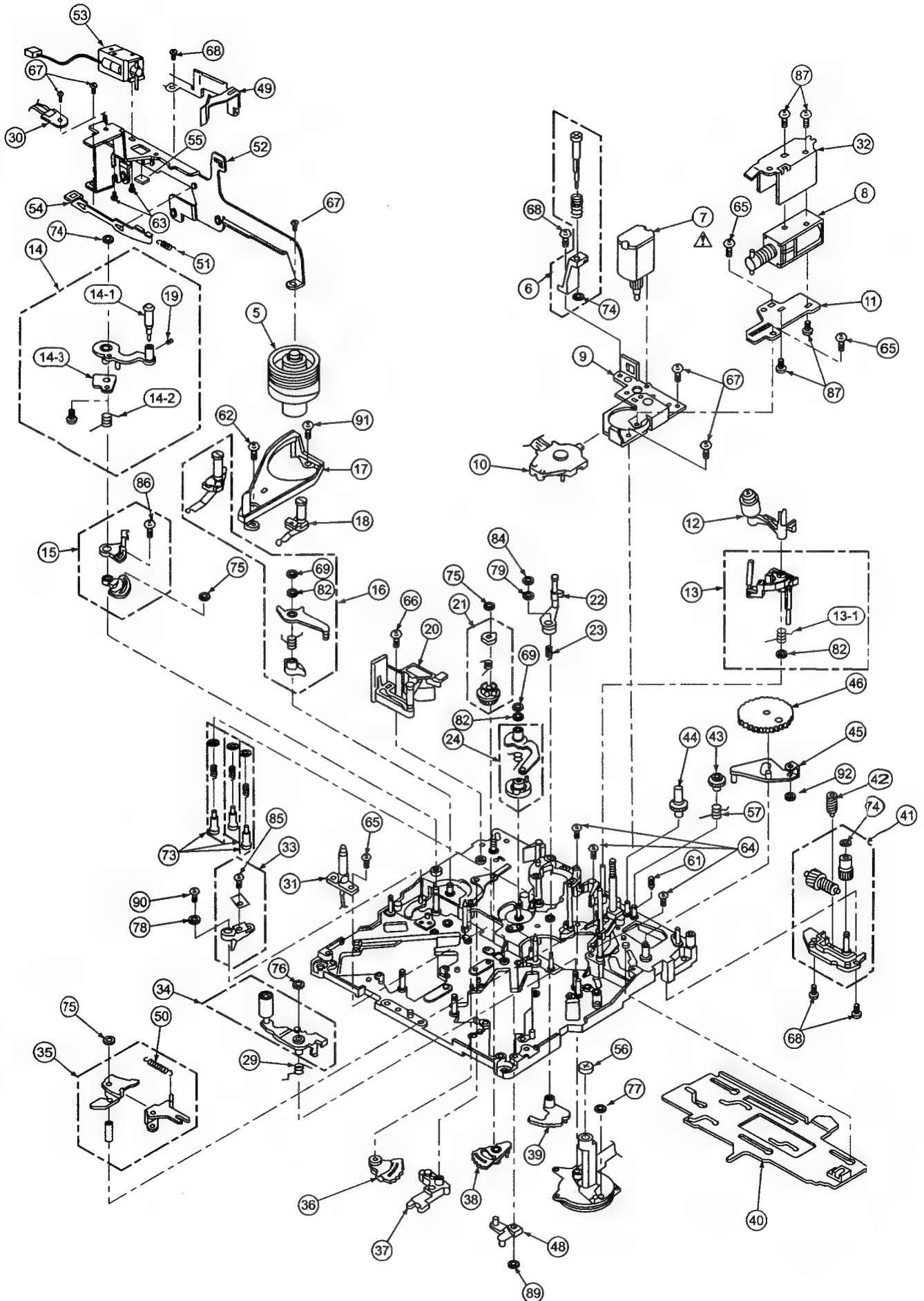


MECHANICAL CHASSIS ASSEMBLY (1)

[illegible]

Components identified with the mark  have the special characteristics for safety.
When replacing any of these components, use only the same type.

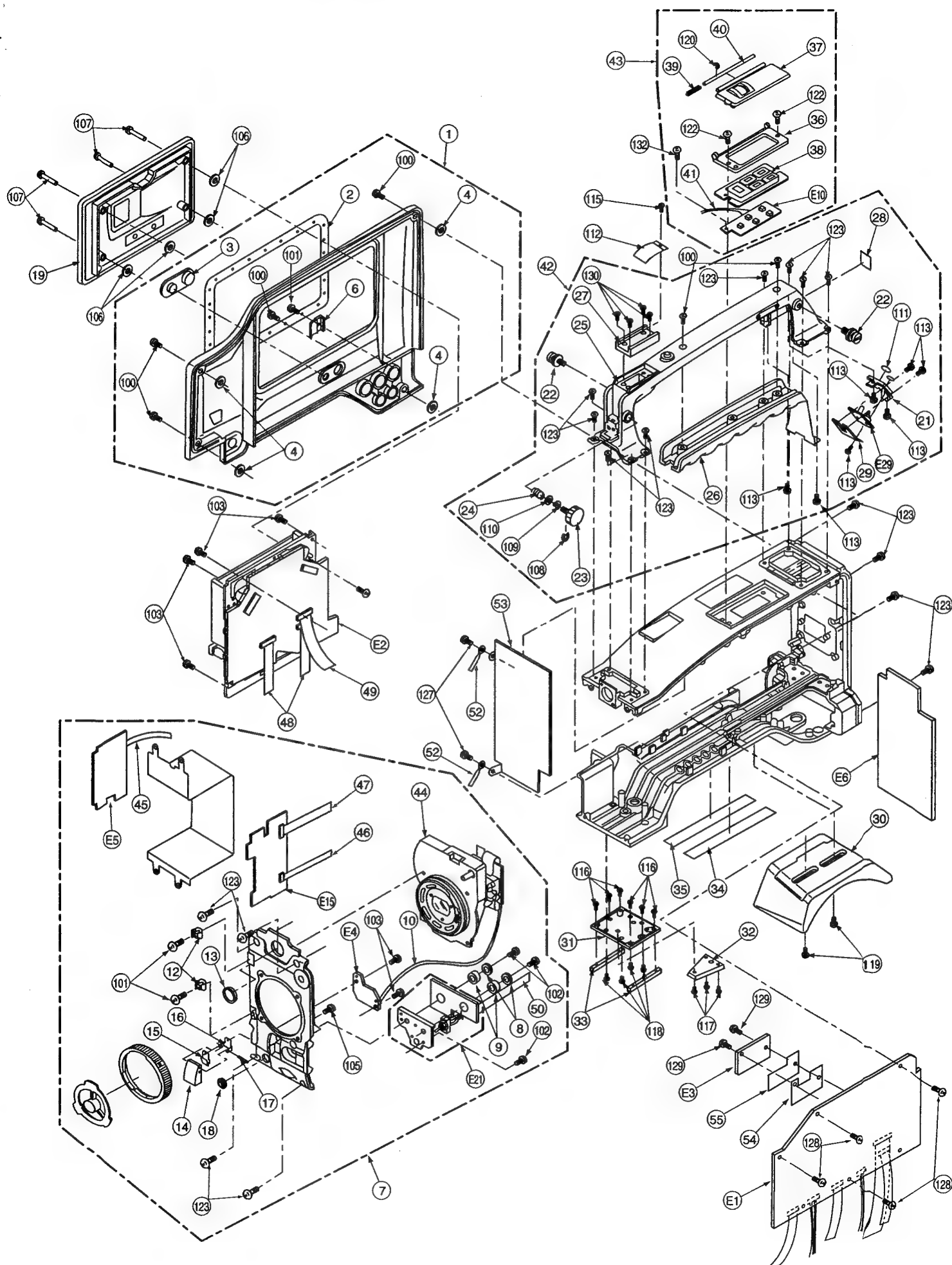
MECHANICAL CHASSIS ASSEMBLY (2)



MECHANICAL CHASSIS ASSEMBLY (2)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
5	VEG1561	CYLINDER UNIT	1		87	XQN2+A15	SCREW	4	
6	VXA5715C	SHAFT HOLDER ASS'	1		89	VMX0967	CUT WASHER	1	
7	MEM0645C	LOADING MOTOR (1) ASS'Y	1		90	XQN2+C4	SCREW	1	
8	VSJ0227	PINCH SOLENOID	1 (M)		91	XQN2+A5	SCREW	1	
9	VXA5584C	MOTOR ANGLE ASS'Y	1		92	XWGV2Z4G	WASHER	1	
10	VES0918C	MODE SW ASS'Y	1		*	VXY1600	MECHANISM	1	
11	VMA0A35	PINCH SOLENOID BASE	1						
12	VXL3027C	CLEANING ARM ASS'Y	1						
13	VXL2870C	T2 ARM ASS'Y	1						
13-1	VMB3304	T2 ARM SPRING	1						
14	VXL2831	TENSION ARM A ASS'Y	1 (M)						
14-1	VXP1761	TENSION ROLLER	1						
14-2	VMB3220	TENSION LEG SPRING	1						
14-3	VXA6173	MAGNET HOLDER ASS'Y	1						
15	VXA5791C	TENSION REG. SPRING HOOK	1						
16	VXL2709	S1 LOADING ARM ASS'Y	1 (M)						
17	VMD3731	LOADING RAIL	1						
18	VXA6378	T1 BOAT ASS'Y	1 (M)						
19	VHD0561	HEX SCREW	1						
20	VXA6052	S POST BASE A ASS'Y	1 (M)						
21	VXP1683C	T4 CONNECTION GEAR ASS'Y	1						
22	VXL2806	T4 ARM ASS'Y	1						
23	VMB2950	T4 THRUST SPRING	1						
24	VXL2952	T LOADING ARM ASS'Y	1						
29	VMB2933	PINCH RELEASE SPRING	1						
30	VEK7927	INSULATION SENSOR	1	EYHS77Y7					
31	VEK7691	LED HOLDER P.C BOARD	1						
32	VMA9411	PINCH SOLENOID ANGLE	1						
33	VXA5820C	TENSION SENSOR AS'Y	1						
34	VXL2835C	PINCH ARM ASS'Y	1						
35	VXL2588C	PINCH GUIDE ARM ASS'Y	1						
36	VXA5570C	T SECTOR GEAR ASS'Y	1						
37	VXL2838C	TENSION REG. GUIDE ARM	1						
38	VXA5567C	S SECTOR GEAR ASS'Y	1						
39	VXA5564C	T4 SECTOR GEAR ASS'Y	1						
40	VXA6348	MAIN ROD ASS'Y	1						
41	VXA5627C	THRUST SHAFT HOLDER ASS'Y	1						
42	VDG1166	MOTOR WARM GEAR	1						
43	VDG1443	EMERGENCY GEAR A	1						
44	VDG1444	MOTOR EMERGENCY GEAR B	1						
45	VXL2889C	MAIN CAM ARM ASS'Y	1						
46	VDG1168	MAIN CAM GEAR	1 (M)						
48	VXL2800C	EJECT ARM ASS'Y	1						
49	VMD4130	T1 GUIDE ASS'Y	1						
50	VMB2934	SPRING	1						
51	VMB3051	CLEANER RETURN SPRING	1						
52	VXA6843C	CLEANER BASE A ASS'Y	1						
53	VXA6078C	CLEANER SOLENOID ASS'Y	1						
54	VMM0429	CLEANER INTERLOCK	1						
55	VMT0871	SILENCER A	1						
56	VXQ0556	THRUST SCREW ASS'Y	1 (M)						
57	VMB3192	E.E SPRING	1						
61	VHD0356	SCREW	1						
62	XQN2+A3	SCREW	1						
63	XQN2+A2	SCREW	2						
64	XQN2+A35FZ	SCREW	3						
65	XQN2+AM2	SCREW	3						
66	XQN2+CF5	SCREW	1						
67	XQN2+CF3	SCREW	5						
68	XQN2+CF4	SCREW	4						
69	XJC12FP	E-RING	2						
73	VXQ0439	SCREW	3						
74	VMX0967	CUT WASHER	3						
75	VMX1061	WASHER	3						
76	VMX1079	CUT WASHER	1						
77	XWA2B	WASHER	1						
78	XWE2	WASHER	1						
79	XWE16VW	WASHER	1						
82	XWGV15Z32G	WASHER	3						
84	VHN0312	NUT	1						
85	XQN2+AQ3.5FZ	SCREW	1						
86	XQN2+AJ5	SCREW	1						

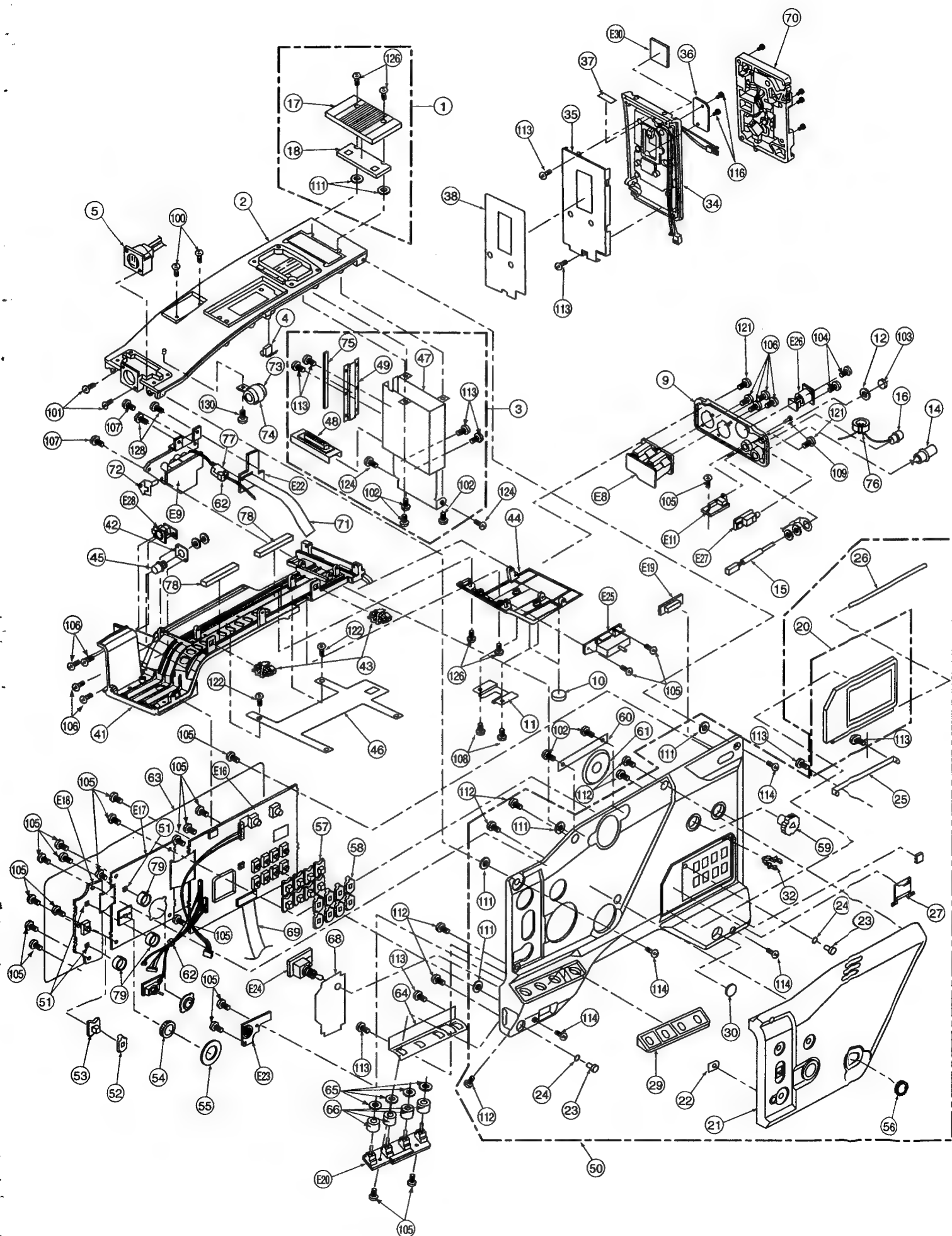
CHASSIS FRAME ASSEMBLY (1)



CHASSIS FRAME ASSEMBLY (1)

[illegible]

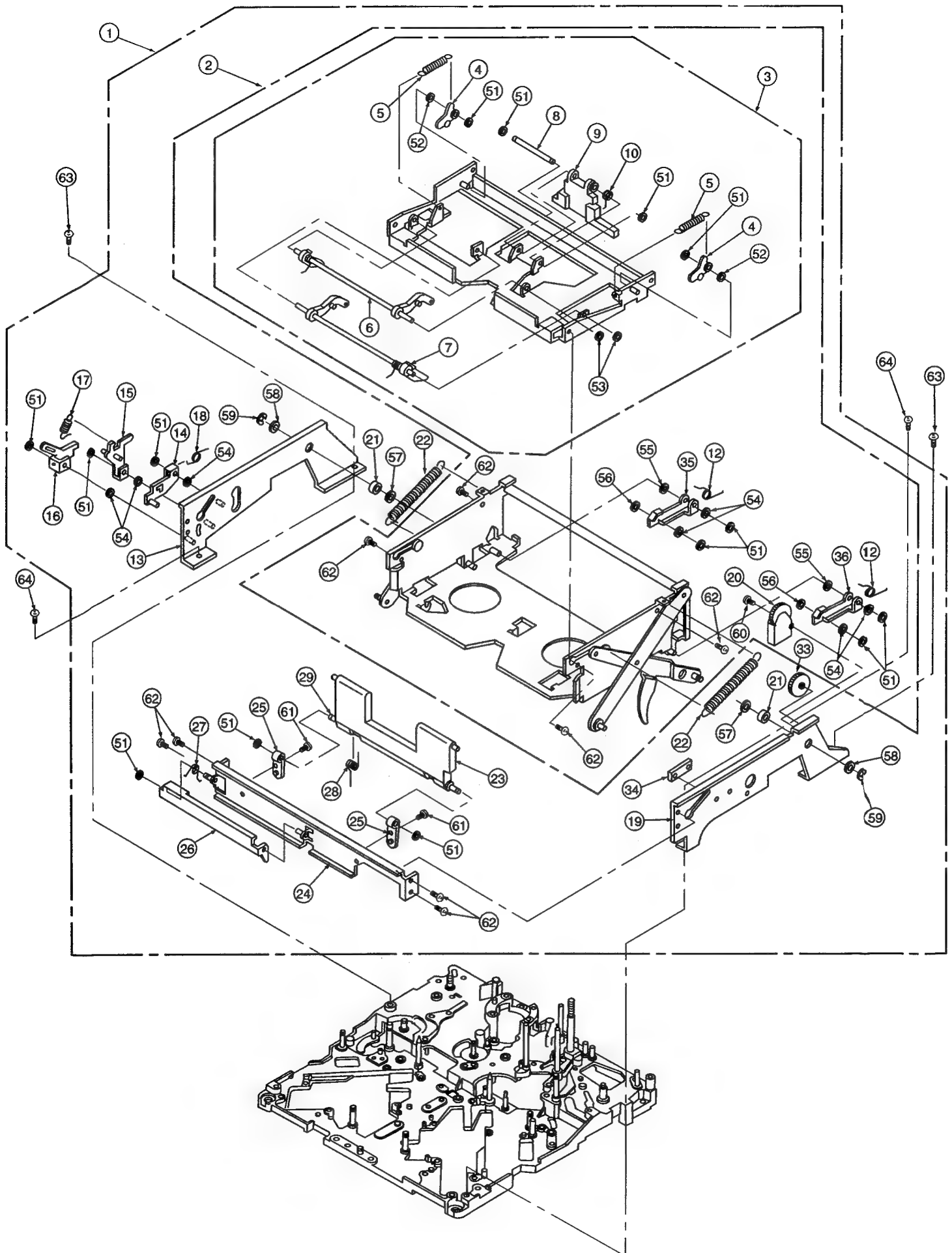
CHASSIS FRAME ASSEMBLY (2)



CHASSIS FRAME ASSEMBLY (2)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VYF2757	RECEIVER COVER ASS'Y	1	
2	VGM1782	TOP CASE	1	
3	VXA6994	RECEIVER BOX ASS'Y	1	
4	VJF0909	CABLE CLAMPER	1	
5	VEE0N18	VE CABLE	1	
9	VGM1785	JACK CASE	1	
10	VMG0954	REAR FOOT	2	
11	VMP6370	BACK LOCK ANGLE	1	
12	VMX0531	CLATCH SPACER	1	
14	VJJ0091	BNC JACK	1	
15	VEE0N27	GELOCK CABLE	1	
16	VEE0Q37	DC OUT CABLE	1	
17	VGf0885	RECEIVER COVER	1	
18	VMG1378	WATERPROOF RUBBER	1	
20	VYF2756	OPERATION DOOR ASS'Y	1	
21	VMT1199	FACE PAD	1	
22	VGL0924	LED SPRING LIGHT	1	
23	VGU7698	OPERATION BUTTON	2	
24	VMG1418	RAIN COVER RUBBER (B)	2	
25	VMP6782	DOOR FIX ANGLE	1	
26	VMS5520	OPERATION DOOR SHAFT	1	
27	VKF3340	BATTERY HOLDER DOOR	1	
29	VGK2705	TOGGLE SW PLATE	1	
30	VMG1417	BRAKER CAP	1	
32	VGQ0550	HOLDER	1	
34	VGM1783	BACK CASE	1	
35	VSC5295	BACK CASE COVER	1	
36	VGf0709	BACK CASE COVER	1	
37	VGf0890	BATTERY CABLE HOLD PLATE	1	
38	VMZ3150	INSULATION SHEET	1	
41	VGM1784	BOTTOM CASE	1	
42	VMP4853	LENS CONNECTOR PLATE	1	
43	VJF1309	PIERCE HOLDER	2	
44	VEJ1992	JACK CASE ASS'Y	1	
45	VEE0N09	LENS CABLE	1	
46	VKC0584	SIDE R HINGE SHEET	1	
47	VMP6776	RECEUVER BOX (A)	1	
48	VMP6777	RECEUVER BOX (B)	1	
49	VMP6778	RECEUVER BOX (C)	1	
50	VYP8106	SIDE CASE (R) 1 ASS'Y	1	
51	VGU8993	OPERATION BUTTON	3	
52	VGU8843	IRIS LEVEL KNOB	1	
53	VMG1379	IRIS LEVEL KNOB RUBBER	1	
54	VGU8844	SCENE FILE KNOB	1	
55	VMG1380	SCENE FILE KNOB RUBBER	1	
56	VGU7077	VR KONB A	1	
57	VGU7688	SLIDE SW COVER	8	
58	VQL0L39	SLIDE SW SHEET	8	
59	VGU6512	VR KNOB	2	
60	VMP3332	CODE CLAMPER	1	
61	VEK9293	SPEAKER ASS'Y	1	
62	VJF1158	CLAMPER	2	
63	VMZ3134	INSULATION SHEET	1	
64	VSC5250	SIDE R EARTH ANGLE	1	
65	VMG0646	INSULATION SHEET	4	
66	VMT0738	SW INSULATION CUSHION	4	
68	VMZ3168	POWER_SW INSULATION SHEET	1	
69	VWJ18C2140L0	FLAT CABLE	1	
70	VJF1347	BATTERY HOLDER	1	
71	VWJ20E5120L0	FLAT CABLE	1	
72	VSC5273	SHIELD ANGLE	1	
73	VLP0186	FERRITE CORE	1	J0KE00000027
74	VJF0980	CLAMPER	1	
75	VMT0517	CONDUCTIVE GASKET	1	
76	J0KE00000022	FERRITE CORE	1	
77	J0KG00000011	FERRITE CORE	1	
78	VMT0803	GASKET	2	
79	VGQ6174	BUTTON SUPPORTER	3	

CASSETTE UP ASSEMBLY



CASSETTE UP ASSEMBLY

[illegible]

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PRT-11

ELECTRICAL REPLACEMENT PARTS LIST

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP83551E	MAIN C.B.A.	1	(RTL)	■ E1	VEP83551E	MAIN C.B.A.	1	(RTL)
■ E2	VEP82241A	RF SERVO C.B.A.	1	(RTL)					
■ E3	VEP83548B	VTR SUB C.B.A.	1	(RTL)	C50,51	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
■ E4	VEP80C03A	VTR S/S C.B.A.	1	(RTL)	C3001	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
■ E5	WE600EKF1B	DRIVE C.B.A.	1	(RTL)	C3002,03	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
■ E6	VEP81220A	POWER C.B.A.	1	(RTL)	C3004-07	F1J1A1050021	C.CAPACITOR CH 10V 1U	4	
■ E7	WE600PKY1A	PRE AMP 2 C.B.A.	1	(RTL)	C3009,10	F1J1A1050021	C.CAPACITOR CH 10V 1U	2	
■ E8	VEP80C06B	REAR JACK C.B.A.	1	(RTL)	C3011	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
■ E9	VEP80C07A	AV OUT C.B.A.	1	(RTL)	C3012	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
■ E10	VEP86149A	OPERATE C.B.A.	1	(RTL)	C3013,14	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	2	
■ E11	VEP80C09A	1394 JACK C.B.A.	1	(RTL)	C3015,16	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	2	
■ E12	WE600EKB1B	SENSOR R C.B.A.	1	(RTL)	C3017,18	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
■ E13	WE600EKC1B	SENSOR G C.B.A.	1	(RTL)	C3019,20	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
■ E14	WE600EKD1B	SENSOR B C.B.A.	1	(RTL)	C3021,22	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
■ E15	WE600EKE1B	PRE AMP C.B.A.	1	(RTL)	C3026,27	EEVHP1A100	E.CAPACITOR 10V 10U	2	
■	VEP83564A	PRE AMP 3 C.B.A.	1	(RTL)FOR WE600EKE1B	C3029,30	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
■ E16	VEP80898A	R SIDE C.B.A.	1	(RTL)	C3033	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	F1J0J475A006
■ E17	VEP80899A	SCENE FILE C.B.A.	1	(RTL)	C3034-36	EEVHB0J330	E.CAPACITOR 6.3V 33U	3	
■ E18	VEP80C00A	AUTO IRIS C.B.A.	1	(RTL)	C3037	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
■ E19	VEP80C01B	LED C.B.A.	1	(RTL)	C3038,39	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
■ E20	VEP80894A	TOGGLE SW C.B.A.	1	(RTL)	C3040-42	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	3	
■ E21	VEP80C02A	FRONT TOGGLE SW C.B.A.	1	(RTL)	C3043-48	F1J1A1050021	C.CAPACITOR CH 10V 1U	6	
■ E22	VEP80C20A	REMOTE MAINTENANCE C.B.A.	1	(RTL)	C3052-54	ECUX1C104KBV	C.CAPACITOR CH 18V 0.1U	3	
■ E23	VEP80896A	MENU JOG C.B.A.	1	(RTL)	C3058-63	F1J1A1050021	C.CAPACITOR CH 10V 1U	6	
■ E24	VEP80897A	POWER SW C.B.A.	1	(RTL)	C3064-66	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
■ E25	VEP80C08A	BREAKER C.B.A.	1	(RTL)	C3067-84	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	18	
■ E26	VEP00X87D	DC INPUT C.B.A.	1	(RTL)	C3085-89	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
■ E27	VEP000U0A	HEAD PHONE C.B.A.	1	(RTL)	C3090	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
■ E28	VEP80C12B	FRONT MIC C.B.A.	1	(RTL)	C3091-97	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
■ E29	VEP80A74B	BACK TALLY C.B.A.	1	(RTL)	C3301	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
■ E30	VEP000W0A	FILTER C.B.A.	1	(RTL)	C3302	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
					C3303	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
					C3305	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
					C3306	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
					C3309,10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
					C3311,12	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
					C3313	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
					C3314	EEVHB1C100	E.CAPACITOR 16V 10U	1	
					C3315	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
					C3316	EEVHB1C100	E.CAPACITOR 16V 10U	1	
					C3317,18	EEVHB0J220	E.CAPACITOR 6.3V 22U	2	
					C3319	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C3321	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C3322	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
					C3323	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C3324	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
					C3325,26	EEVHB1C100	E.CAPACITOR 16V 10U	2	
					C3327	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
					C3328,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
					C3330	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
					C3331	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
					C3332	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
					C3334,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
					C3337	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
					C3338,39	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
					C3340,41	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
					C3342	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
					C3343,44	F1J1A1050021	C.CAPACITOR CH 10V 1U	2	
					C3357	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
					C3358	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
					C3359	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
					C3370,71	F1J1A1050021	C.CAPACITOR CH 10V 1U	2	
					C3377-79	ECST1CX106Z	T.CAPACITOR CH 16V 10U	3	
					C3380	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
					C3382,83	ECUX1E104ZFV	C.CAPACITOR CH 50V 0.1U	2	
					C3384,85	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	
					C3386	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
					C3401	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
					C3402	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
					C3403	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
					C3404	ECUM1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
					C3406	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
					C3407	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3408,09	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	2		C4112	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C3410	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		C4113	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C3411-16	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	6		C4114,15	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	2	
C3423	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1		C4121,22	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	2	
C3500-04	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	5		C4200,01	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	2	
C3505	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		C4202,03	EEVHB0G470	E.CAPACITOR 4V 47U	2	
C3601	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1		C4204	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C3602	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1		C4205	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1	
C3603	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1		C4206	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C3604	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1		C4207,08	EEVHB0G470	E.CAPACITOR 4V 47U	2	
C3605	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		C4209	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C3606	F1J0475A006	C.CAPACITOR CH 6.3V 1U	1		C4210	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1	
C3607	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1		C4211	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C3608	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		C4212	EEVHB0G470	E.CAPACITOR 4V 47U	1	
C3609	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1		C4213	ECUX1H103ZV	C.CAPACITOR CH 50V 0.01U	1	
C3610,11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2		C4214,15	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	2	
C3613	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		C4216	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C3614-17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4		C4217,18	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	2	
C3618,19	ECUX1H103ZV	C.CAPACITOR CH 50V 0.01U	2		C4219,20	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	2	
C3620	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1		C4221	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3621	F1J0475A006	C.CAPACITOR CH 6.3V 1U	1		C4222	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3622	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1		C4223	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C3623,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2		C4224,25	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	2	
C3625	F1J0475A006	C.CAPACITOR CH 6.3V 1U	1		C4226,27	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	2	
C3626	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1		C4228	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3627	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1		C4229	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3628	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1		C4230-32	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	3	
C3702	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1		C4233,34	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C3703	ECUM1C224KBN	C.CAPACITOR CH 16V 0.22U	1		C4235	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3704	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1		C4236	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3706	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		C4237,38	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	2	
C3708	EEVHB1C100	E.CAPACITOR 16V 10U	1		C4239	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3709	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1		C4240,41	EEVHB0J220	E.CAPACITOR 6.3V 22U	2	
C3711	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1		C4316-19	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	4	
C3712	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1		C4400	EEVHB1H100	E.CAPACITOR 50V 10U	1	
C3713	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C4401	EEVHB1H1R0	E.CAPACITOR 50V 1U	1	
C3714	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1		C4402	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1	
C3715	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1		C4403	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3716	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		C4404	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C3717,18	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2		C4405	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3719	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		C4406,07	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3720,21	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2		C4408	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C3722	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		C4409	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3723	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1		C4410	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4000,01	EEVHB1C470	E.CAPACITOR 16V 47U	2		C4411-13	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	3	
C4002	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1		C4414	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4003,04	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2		C4415	VCE0200	E.CAPACITOR	1	F2G0J3310002
C4005-08	EEVHP1H1R0	E.CAPACITOR 50V 1U	4		C4416,17	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	2	
C4009,10	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2		C4418	VCE0200	E.CAPACITOR	1	F2G0J3310002
C4011,12	EEVHP1H1R0	E.CAPACITOR 50V 1U	2		C4420	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C4013,14	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2		C4421	ECUM1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C4015-17	EEVHP1H1R0	E.CAPACITOR 50V 1U	3		C4423	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C4019	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1		C4424	ECUM1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C4020,21	EEVHB0J330	E.CAPACITOR 6.3V 33U	2		C4425	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C4022	EEVHB0J220	E.CAPACITOR 6.3V 22U	1		C4426,27	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4023	ECUX1H183KBV	C.CAPACITOR CH 50V 0.018U	1		C4428	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C4024,25	ECUX1C273KBV	C.CAPACITOR CH 16V 0.027U	2		C4429	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C4026,27	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	2		C4430,31	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	2	
C4028,29	EEVHB0J330	E.CAPACITOR 6.3V 33U	2		C6000	VCK0152	C.CAPACITOR	1	F1L1C1060016
C4030	EEVHB0J220	E.CAPACITOR 6.3V 22U	1		C6010	VCK0152	C.CAPACITOR	1	F1L1C1060016
C4031	ECUX1H183KBV	C.CAPACITOR CH 50V 0.018U	1		C6012	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1	
C4032,33	ECUX1C273KBV	C.CAPACITOR CH 16V 0.027U	2		C6013	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C4034-37	EEVHB0J470	E.CAPACITOR 6.3V 47U	4		C6015,16	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	2	
C4038-40	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3		C6017	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C4041-44	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	4		C6018-35	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	18	
C4047	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1		C6103-06	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	4	
C4051	ECEA1HSN010	E.CAPACITOR 50V 1U	1		C6107,08	EEVHB1A101P	E.CAPACITOR 10V 100U	2	
C4100,01	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	2		C6109-11	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	3	
C4102	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1		C6112	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C4103,04	EEVHP0J100	E.CAPACITOR 6.3V 10U	2		C6113	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C4105	EEVHB0J220	E.CAPACITOR 6.3V 22U	1		C6200-10	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	11	
C4106	F1L1C1060020	C.CAPACITOR CH 16V 10U	1		C6300-12	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	13	
C4107,08	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	2		C6315	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1	
C4109	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1		C6400-08	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	9	
C4110,11	EEVHP0J100	E.CAPACITOR 6.3V 10U	2		C6500,01	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C6502-11	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	10		C7336	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C6512	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1		C7337-41	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	5	
C7001	F1H1A105A004	C.CAPACITOR CH 10V 1U	1	F1H1A105A004	C7344	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C7002	F1H1H151A231	C.CAPACITOR CH 50V 150P	1		C7501	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1	
C7003	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		C7502	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C7021-24	F3F1A225A003	T.CAPACITOR CH 10V 2.2U	4		C7503	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1	
C7025	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		C7504	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C7029	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		C7505	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C7031,32	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	2		C7506,07	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	2	
C7102	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		C7508,09	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C7104	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1		C7510	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1	
C7105,06	F1H1A105A004	C.CAPACITOR CH 10V 1U	2	F1H1A105A004	C7511	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C7109	ECST1DX106ZR	T.CAPACITOR CH 20V 10U	1		C7512	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1	
C7110	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1		C7513	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C7111	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		C7514	ECU1C104J	P.CAPACITOR 16V 0.1U	1	
C7112	F3G1C1560001	T.CAPACITOR CH 16V 15U	1		C7515	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C7114	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		C7516,17	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	2	
C7115	ECST1AC476R	T.CAPACITOR CH 10V 47U	1		C7518	ECU1C104J	P.CAPACITOR 16V 0.1U	1	
C7116	F3G1C1560001	T.CAPACITOR CH 16V 15U	1		C7519	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C7118	F1H1A105A004	C.CAPACITOR CH 10V 1U	1	F1H1A105A004	C7520	ECU1C104J	P.CAPACITOR 16V 0.1U	1	
C7119	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		C7521	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C7120	F1H1H103A190	C.CAPACITOR CH 50V 0.01U	1		C7522	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1	
C7121-26	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	6		C7523	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C7127	ECST1DX106ZR	T.CAPACITOR CH 20V 10U	1		C7524	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1	
C7128	F1H1H270A231	C.CAPACITOR CH 50V 27P	1		C7525,26	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C7131	F3G1C1560001	T.CAPACITOR CH 16V 15U	1		C8001	F1H1A105A004	C.CAPACITOR CH 10V 1U	1	F1H1A105A004
C7132	F1H1H103A190	C.CAPACITOR CH 50V 0.01U	1		C8005,06	ECST1AD107	T.CAPACITOR CH 10V 100U	2	
C7134	F3G1C1560001	T.CAPACITOR CH 16V 15U	1		C8009	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1	
C7135	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		C8011	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C7136	F3G1C1560001	T.CAPACITOR CH 16V 15U	1		C8012-16	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	5	
C7137-41	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	5		C8017	F1H1H300A004	C.CAPACITOR CH 50V 30P	1	
C7144	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1		C8018	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1	
C7202	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		C8019	F1H1H101A231	C.CAPACITOR CH 50V 100P	1	
C7204	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1		C8021	SK41C336MC	T.CAPACITOR CH 16V 33U	1	
C7205,06	F1H1A105A004	C.CAPACITOR CH 10V 1U	2	F1H1A105A004	C8022	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1	
C7209	ECST1DX106ZR	T.CAPACITOR CH 20V 10U	1		C8024	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1	
C7210	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1		C8026-28	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	3	
C7211	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		C8030-56	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	27	
C7212	F3G1C1560001	T.CAPACITOR CH 16V 15U	1		C8071	F1H1H470A231	C.CAPACITOR CH 50V 47P	1	
C7214	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		C8073-76	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	4	
C7215	ECST1AC476R	T.CAPACITOR CH 10V 47U	1		C8077	ECST1AD107	T.CAPACITOR CH 10V 100U	1	
C7216	F3G1C1560001	T.CAPACITOR CH 16V 15U	1		C8078-81	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	4	
C7218	F1H1A105A004	C.CAPACITOR CH 10V 1U	1	F1H1A105A004	C8082	ECST1AD107	T.CAPACITOR CH 10V 100U	1	
C7219	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		C8083,84	F3F1A4750001	T.CAPACITOR CH 10V 4.7U	2	
C7220	F1H1H103A190	C.CAPACITOR CH 50V 0.01U	1		C8085	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1	
C7221-26	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	6		C8086	ECST1AC476R	T.CAPACITOR CH 10V 47U	1	
C7227	ECST1DX106ZR	T.CAPACITOR CH 20V 10U	1		C8087	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1	
C7228	F1H1H270A231	C.CAPACITOR CH 50V 27P	1		C8088	ECST1AD107	T.CAPACITOR CH 10V 100U	1	
C7231	F3G1C1560001	T.CAPACITOR CH 16V 15U	1		C8089,90	F3F1A4750001	T.CAPACITOR CH 10V 4.7U	2	
C7232	F1H1H103A190	C.CAPACITOR CH 50V 0.01U	1		C8092,93	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	2	
C7234	F3G1C1560001	T.CAPACITOR CH 16V 15U	1		C8094	F1H1H150A231	C.CAPACITOR CH 50V 22P	1	
C7235	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		C8095,96	F1H1H103A199	C.CAPACITOR CH 50V 0.01U	2	
C7236	F3G1C1560001	T.CAPACITOR CH 16V 15U	1		C8097	F1H1H330A231	C.CAPACITOR CH 50V 33P	1	
C7237-41	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	5		C8098,99	YGM1C471J1HT	C.CAPACITOR CH 50V 470P	2	
C7244	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1		C8105	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1	
C7302	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		C8108	K216A1R0R	E.CAPACITOR 16V 1U	1	
C7304	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1		C8109	5X122K5VT	C.CAPACITOR 50V 1200P	1	
C7305,06	F1H1A105A004	C.CAPACITOR CH 10V 1U	2	F1H1A105A004	C8111	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1	
C7309	ECST1DX106ZR	T.CAPACITOR CH 20V 10U	1		C8112	F3F1A225A003	T.CAPACITOR CH 10V 2.2U	1	
C7310	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1		C8113	F1H1H103A190	C.CAPACITOR CH 50V 0.01U	1	
C7311	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		C8118	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	
C7312	F3G1C1560001	T.CAPACITOR CH 16V 15U	1		C8119	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1	
C7314	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		C8120	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C7315	ECST1AC476R	T.CAPACITOR CH 10V 47U	1		C8121,22	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	2	
C7316	F3G1C1560001	T.CAPACITOR CH 16V 15U	1		C8123	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	
C7318	F1H1A105A004	C.CAPACITOR CH 10V 1U	1	F1H1A105A004	C8124-27	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	4	
C7319	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		C8136	ECEV1CN100Q	E.CAPACITOR CH 16V 10U	1	
C7320	F1H1H103A190	C.CAPACITOR CH 50V 0.01U	1		C8137,38	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	2	
C7321-26	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	6		C8139	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C7327	ECST1DX106ZR	T.CAPACITOR CH 20V 10U	1		C8140	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1	
C7328	F1H1H270A231	C.CAPACITOR CH 50V 27P	1		C8141	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C7331	F3G1C1560001	T.CAPACITOR CH 16V 15U	1		C8142,43	F1H1H470A231	C.CAPACITOR CH 50V 47P	2	
C7332	F1H1H103A190	C.CAPACITOR CH 50V 0.01U	1		C8144	F1H1H150A231	C.CAPACITOR CH 50V 22P	1	
C7334	F3G1C1560001	T.CAPACITOR CH 16V 15U	1		C8145,46	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	2	
C7335	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		C8147	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C8150	ECST1DX106ZR	T.CAPACITOR CH 20V 10U	1		C8822	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C8153,54	F1H1H470A231	C.CAPACITOR CH 50V 47P	2		C8823	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	
C8155	F1H1H150A231	C.CAPACITOR CH 50V 22P	1						
C8157	F1H1H100A226	C.CAPACITOR CH 50V 10P	1		D3301	MA142K	DIODE	1	
C8161	ECST1AX226Z	T.CAPACITOR CH 10V 22U	1		D3401	MA3J14300L	DIODE	1	
C8162	F3F1A1060001	T.CAPACITOR CH 10V 10U	1		D4001	MA142WK	DIODE	1	
C8163	ECST1DX106ZR	T.CAPACITOR CH 20V 10U	1		D4003	MA142WK	DIODE	1	
C8165	F1H1H151A231	C.CAPACITOR CH 50V 150P	1		D4004-09	MA3J14300L	DIODE	6	
C8166	F1H1H560A231	C.CAPACITOR CH 50V 56P	1		D4100,01	MA142K	DIODE	2	
C8168	F3F1A1060001	T.CAPACITOR CH 10V 10U	1		D4200-03	MA3J14300L	DIODE	4	
C8172	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1		D4400	MA3220	DIODE	1	
C8173	F1H1H2R0A260	C.CAPACITOR CH 50V 2P	1	F1H1H2R0A260	D4401	MA3J14300L	DIODE	1	
C8178	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		D6000	MA142K	DIODE	1	
C8187	F3F1A4750001	T.CAPACITOR CH 10V 47U	1		D6005	MA3J14300L	DIODE	1	
C8188	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		D6007	MA3J14300L	DIODE	1	
C8189	ECST1AC476R	T.CAPACITOR CH 10V 47U	1		D6009	MA142K	DIODE	1	
C8190,91	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	2		D6011	MA3J14300L	DIODE	1	
C8192	F1H1H150A231	C.CAPACITOR CH 50V 22P	1		D6013-20	MA3J14300L	DIODE	8	
C8193,94	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	2		D6100	MA142WA	DIODE	1	
C8196	F1H1A105A004	C.CAPACITOR CH 10V 1U	1	F1H1A105A004	D6400	MA142WA	DIODE	1	
C8209	F1H1H181A004	C.CAPACITOR CH 50V 180P	1		D7101	MA142K	DIODE	1	
C8213-16	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	4		D7201	MA142K	DIODE	1	
C8219	F1H1H101A231	C.CAPACITOR CH 50V 100P	1		D7301	MA142K	DIODE	1	
C8221	F1H1H390A231	C.CAPACITOR CH 50V 39P	1		D8004-07	HVU359TRF	DIODE	4	80CCAB000015
C8222	F1H1H4R0A243	C.CAPACITOR CH 50V 4P	1		D8700,01	MA3J14300L	DIODE	2	
C8223	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		D8750	MA3056-M	DIODE	1	MAZ30560ML
C8224	F3F1A1060001	T.CAPACITOR CH 10V 10U	1						
C8225,26	F1H1H220A231	C.CAPACITOR CH 50V 22P	2		FL3001	VLF1492	FILTER	1	
C8228	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		FL8002	J0E4434B0005	FILTER	1	
C8229	F3H1A4760005	T.CAPACITOR CH 10V 47U	1						
C8230-32	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	3		IC3001	XC62FP5002P	IC	1	
C8233	F1H1H470A231	C.CAPACITOR CH 50V 47P	1		IC3003-05	AD8051AR	IC	3	
C8240	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1		IC3006	XC62FP3002P	IC	1	
C8800,01	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	2		IC3007-09	C0FBAF000042	IC	3	
C8603	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1		IC3010-12	NUM062V	IC	3	
C8604,05	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	2		IC3013	C0CBABC00060	IC	1	
C8608-10	ECST1AY106Z	T.CAPACITOR CH 10V 10U	3		IC3301	XC62FP3002P	IC	1	
C8612	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1		IC3302	C1AB00001449	IC	1	
C8613-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6		IC3303	TC4W53FU	IC	1	
C8650,51	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2		IC3305,06	NUM2538VT	IC	2	
C8652	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1		IC3307	C0JBAZ000516	IC	1	
C8653	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1		IC3310	C0CBADD00003	IC	1	
C8654	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1		IC3401	C0CBADD00003	IC	1	
C8655	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1		IC3402	C0JBAZ001605	IC	1	
C8656	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1		IC3403	BH7088KV	IC	1	C1ZBZ0001649
C8657,58	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2		IC3404	TC7SH04FU	IC	1	
C8659	ECST1CC336	T.CAPACITOR CH 16V 33U	1		IC3500	M62370GP	IC	1	C0FBB0000082
C8662	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1		IC3501	MC14053BDT	IC	1	
C8663	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1		IC3502	C0ABEB000035	IC	1	
C8664	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1		IC3601	XC62FP3002P	IC	1	
C8700,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2		IC3602	AN3742FHN-EB	IC	1	
C8702,03	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	2		IC3604	C1AB00000860	IC	1	
C8750	ECST1EC106Z	T.CAPACITOR CH 25V 10U	1		IC3702	XC62FP5002P	IC	1	
C8751	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		IC3704	NUM2902V	IC	1	
C8752	ECST1DX106ZR	T.CAPACITOR CH 20V 10U	1		IC3706	C0JBAZ001605	IC	1	
C8753	ECST0JC686	T.CAPACITOR CH6.3V 68U	1		IC3707	C0JBA0000265	IC	1	
C8754	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		IC3710	C0DBEZC00009	IC	1	
C8755	F3H1A4760005	T.CAPACITOR CH 10V 47U	1		IC4000	UPC5022GA121	IC	1	
C8756	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1		IC4001	NUM062M-D	IC	1	
C8757	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		IC4002	MC14053BDT	IC	1	
C8759	SK41C336MC	T.CAPACITOR CH 16V 33U	1		IC4003,04	TVHT04FT	IC	2	
C8760	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1		IC4005	C0JBAZ000610	IC	1	
C8761	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1		IC4100,01	NUM4580ED	IC	2	C0ABBB000123
C8762	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1		IC4102	MC14053BDT	IC	1	
C8763	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	1		IC4106	C0JBAZ001348	IC	1	
C8764	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1		IC4200	XC62AP3002P	IC	1	
C8765,66	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2		IC4201	AK4503VF	IC	1	
C8767	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1		IC4202,03	NUM062M-D	IC	2	
C8800-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4		IC4204	NUM062V	IC	1	
C8804	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1		IC4205	TC7W125FU	IC	1	
C8805-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4		IC4400	NUM062M-D	IC	1	
C8809	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1		IC4401	BA7785FS	IC	1	
C8810-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8		IC6000	C0EBJ0000049	IC	1	
C8818,19	ECST1AX336	E.CAPACITOR 6.3V 120U	2		IC6001	C0EBE0000075	IC	1	
C8820,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2		IC6002	NUM2904V	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC6004	TC7W125FU	IC	1		IC8430	YULLW0031	IC	1	
IC6005	TC7SH04FU	IC	1		IC8431	C0JBAA000002	IC	1	
IC6006	NJM2904V	IC	1		IC8432	NJM062V	IC	1	
IC6101	LVX3245QSC	IC	1		IC8601	TC7SH00FU	IC	1	
IC6102,03	TVHT541FT	IC	2		IC8604,05	C0CBABC00059	IC	2	
IC6105	STK12C68S45	IC	1		IC8700,01	TC4W53FU	IC	2	
IC6106	UPD4992GS	IC	1	C1ZBZ0000878	IC8702,03	TC7W126F	IC	2	
IC6107	S84208F	IC	1		IC8704	TC7SH08FU	IC	1	
IC6108	TVHT541FT	IC	1		IC8751	NJM431U	IC	1	C0DBEZC00003
IC6200	C1AB00000936	IC	1		IC8754	NJM2904V	IC	1	
IC6301	C1AB00000936	IC	1		IC8755	NJM2902V	IC	1	
IC6302	C0JBAZ001605	IC	1		IC8756	TC7W04FU	IC	1	
IC6400,01	TLCX574FT	IC	2		IC8757	XC62FP4502PR	IC	1	
IC6402	C1AB00001228	IC	1		IC8758	C0JBAA000255	IC	1	
IC6403	TLCX32FT	IC	1		IC8800	ADV7123KST50	IC	1	C0FBFB000020
IC6404	THC4052FT	IC	1		IC8802,03	C0JBAA000002	IC	2	
IC6502,03	C0JBAB000422	IC	2		IC8804-07	TC4W53FU	IC	4	
IC7001	C0JBAB000028	HEX BUFFER	1		IC8808,09	TC7SH04FU	IC	2	
IC7005	TC4W53FU	IC	1	C0JBAB000113					
IC7006	NJM2059M	IC	1	C0ABCB000023	IP3402	C1ZBZ0001803	IC	1	
IC7007	C5AB00000001	IC	1		IP6003	C2GBC0000084	MICRO CONTROLLER	1	
IC7008	TVHT08FT	IC	1		IP6501	C1ZBZ0001803	IC	1	
IC7101	MC14053BDT	IC	1		IP8003	UL1A531A	IC	1	
IC7102,03	NJM4559M	IC	2	C0ABBB000050					
IC7104	NJM072BV	IC	1		J3601	VJR1094	TERMINAL	1	
IC7105	NJM4580M	IC	1		J7001,02	VJR1094	TERMINAL	2	
IC7108	TC4W53FU	IC	1	C0JBAB000113					
IC7201	MC14053BDT	IC	1		L11,12	J0JKC0000009	FILTER	2	
IC7202,03	NJM4559M	IC	2	C0ABBB000050	L13-17	VLF1315A102	FILTER	5	J0JHC0000015
IC7204	NJM072BV	IC	1		L51	VLF1315A102	FILTER	1	J0JHC0000015
IC7205	NJM4580M	IC	1		L52	VLQ0319M6R8	COIL 6.8UH	1	G1C6R8MA0001
IC7206	TC4W53FU	IC	1	C0JBAB000113	L3001,02	VLQ0163J820	COIL 82UH	2	
IC7301	MC14053BDT	IC	1		L3003,04	VLQ0163J680	COIL 68UH	2	
IC7302,03	NJM4559M	IC	2	C0ABBB000050	L3005	G1C101K00022	COIL 100UH	1	
IC7304	NJM072BV	IC	1		L3305	G1C101K00022	COIL 100UH	1	
IC7305	NJM4580M	IC	1		L3403,04	VLP0353	COIL	2	
IC7306	TC4W53FU	IC	1	C0JBAB000113	L3601	VLP0353	COIL	1	
IC7501,02	TC7SET32FU	IC	2		L3602,03	VLQ0319K101	COIL 100UH	2	G1C101K00022
IC7503	NJM084V	IC	1		L4000-05	VLQ0163J100	COIL 10UH	6	G1C100J00001
IC7504	MC14053BDT	IC	1		L4201,02	VLQ0163J100	COIL 10UH	2	G1C100J00001
IC7505	NJM084V	IC	1		L7501	VLQ0319K220	COIL 22UH	1	G1C220K00015
IC7506	MC14053BDT	IC	1		L8001	G1C390J00001	COIL	1	
IC7507	M62352GP	IC	1	C0FBBD000023	L8002-04	VLP0353	COIL	3	
IC8001	M51957BFP	IC	1	C0EBH0000062	L8005	ELJFC4R7MF	COIL 4.7UH	1	
IC8004	TVHT08FT	IC	1		L8006	YWNL324R7J	COIL	1	
IC8005	BR9040F	IC	1		L8007,08	ELJFC4R7MF	COIL 4.7UH	2	
IC8006	TVHC138FT	IC	1		L8009,10	ELJFC5R6MF	COIL 5.6UH	2	
IC8007	UPD6465GT611	IC	1		L8551	J0JKC0000009	FILTER	1	
IC8009	M62352GP	IC	1	C0FBBD000023	L8600	J0JKC0000009	FILTER	1	
IC8010-12	MN6577F	IC	3		L8603,04	VLP0353	COIL	2	
IC8015	NJM2904V	IC	1		L8651	ELJFC4R7MF	COIL 4.7UH	1	
IC8018	TVS1129	IC	1	C0JBZA0000525	L8652	VLQ0163J5R6	COIL 5.6UH	1	
IC8020	NJM2903M	IC	1	C0BBBA000019	L8653	VLQ0163J390	COIL 39UH	1	
IC8026	TC7SH00FU	IC	1		L8654	G1C221J00003	COIL 220UH	1	
IC8029	C1ZBZ0000169	IC	1		L8700,01	VLP0353	COIL	2	
IC8030	F432532APGF	IC	1	C1AB00000199	L8800	ELJFC4R7MF	COIL 4.7UH	1	
IC8031	C0JBAB000220	IC	1						
IC8032	TC7SH04FU	IC	1		P1	VJP3978A120E	CONNECTOR (MALE)	1	
IC8035	TC7SH08FU	IC	1		P2	VJS3826A020	CONNECTOR (FEMALE)	1	
IC8037	MB40950	IC	1	C0FABD000019	P3	K1MZ06B00001	CONNECTOR	1	
IC8039	YWLM1881M	IC	1		P4	VJS3791D016	CONNECTOR (FEMALE)	1	
IC8040	TVHC221FT	IC	1		P6	K1MM21B00003	CONNECTOR	1	
IC8041	TC7SH02FU	IC	1		P7	VJS2848D018	CONNECTOR (FEMALE)	1	K1MN18B00010
IC8042	C0JBAB000005	IC	1		P8	VJP3125D015	CONNECTOR (MALE)	1	K1KA15B00034
IC8044	C0JBAB000005	IC	1		P9	VJS3801D024	CONNECTOR (FEMALE)	1	
IC8047	C0JBAB000003	IC	1		P10	VJP3125B011	CONNECTOR (MALE)	1	
IC8048	C0JBAB000162	IC	1		P11	VJP3125B006	CONNECTOR (MALE) 6P	1	
IC8049	C0JBAB000025	IC	1		P12	VJS3801D024	CONNECTOR (FEMALE)	1	
IC8050	C0JBAB000162	IC	1		P13	VJS3801B040	CONNECTOR (FEMALE)	1	
IC8051	TC7SH08F	IC	1		P15	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
IC8422	C0JBAB0000220	IC	1		P16	VJP3518B013	CONNECTOR (MALE)	1	K1KA13B00036
IC8423	C0JBAB0000280	IC	1		P17	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
IC8424	YULLW0031	IC	1		P18	VJP3125B010	CONNECTOR (MALE)	1	K1KA10B00036
IC8425	TC7SH04FU	IC	1		P19	VJP3125B008	CONNECTOR (MALE)	1	
IC8429	C0ABBB0000179	IC	1		P20	VJP3884B060	CONNECTOR (MALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P21	VJP3358C022	CONNECTOR (MALE)	1	K1KA22A00027	Q8028	B1ABCF000059	TRANSISTOR	1	
P22	VJP3172D007	CONNECTOR (MALE)	1		Q8035	B1ABCF000059	TRANSISTOR	1	
P23	VJP3172D006	CONNECTOR (MALE)	1	K1KA06B00054	Q8038	2SC3931-C	TRANSISTOR	1	
P30	VJS3826A020	CONNECTOR (FEMALE)	1		Q8039	B1ABCF000059	TRANSISTOR	1	
P6000	VJS3826A020	CONNECTOR (FEMALE)	1		Q8044	2SB1218A-R	TRANSISTOR	1	
P6002	K1KA10A00303	CONNECTOR (MALE)	1		Q8045	B1ABCF000059	TRANSISTOR	1	
P8000	VJS3826A020	CONNECTOR (FEMALE)	1		Q8047-49	2SC3931-C	TRANSISTOR	3	
P8001	VJP3950A002	CONNECTOR (MALE)	1		Q8050	XP4601	TRANSISTOR-RESISTOR	1	
					Q8055	2SD1820R	TRANSISTOR	1	
Q3001-04	2SD1819A-R	TRANSISTOR	4		Q8056	2SB1219A-R	TRANSISTOR	1	
Q3005,06	2SA1532-B	TRANSISTOR	2		Q8750	2SB07660HL	TRANSISTOR	1	
Q3007,08	2SB1218A-R	TRANSISTOR	2		Q8751,52	2SB1218A-R	TRANSISTOR	2	
Q3009-11	2SD1819A-R	TRANSISTOR	3		Q8753	2SD674A-R	TRANSISTOR	1	
Q3012-14	2SK662-R	TRANSISTOR	3		Q8754	2SB07660HL	TRANSISTOR	1	
Q3015-17	2SD1819A-R	TRANSISTOR	3		Q8800-02	2SB1218A-R	TRANSISTOR	3	
Q3301	2SD1819A-R	TRANSISTOR	1		Q8803	2SD1819A-R	TRANSISTOR	1	
Q3701-04	2SD874A-R	TRANSISTOR	4		Q8804	2SB1218A-R	TRANSISTOR	1	
Q4000	2SD1819A-R	TRANSISTOR	1		Q8805-07	2SD1819A-R	TRANSISTOR	3	
Q4001	2SD602A-S	TRANSISTOR	1						
Q4002	2SB710A-R	TRANSISTOR	1		QR3301,02	UN9212	TRANSISTOR-RESISTOR	2	
Q4003-05	2SB12200HL	TRANSISTOR	3		QR4000	UN5113	TRANSISTOR-RESISTOR	1	
Q4100,01	2SD1979	TRANSISTOR	2		QR4001,02	UN521F	TRANSISTOR-RESISTOR	2	
Q4102-04	2SD1819A-R	TRANSISTOR	3		QR4003,04	UN5113	TRANSISTOR-RESISTOR	2	
Q4105,06	2SD1979	TRANSISTOR	2		QR4005,06	UN521F	TRANSISTOR-RESISTOR	2	
Q4107-09	2SD1819A-R	TRANSISTOR	3		QR4007	UN5113	TRANSISTOR-RESISTOR	1	
Q4400	2SD602A-R	TRANSISTOR	1		QR4008-10	UN5213	TRANSISTOR-RESISTOR	3	
Q4401-04	2SD1979	TRANSISTOR	4		QR4100	UN5113	TRANSISTOR-RESISTOR	1	
Q4405	2SB1219A-R	TRANSISTOR	1		QR4101	UN5213	TRANSISTOR-RESISTOR	1	
Q6401	XN1213	TRANSISTOR-RESISTOR	1		QR4102	UN5113	TRANSISTOR-RESISTOR	1	
Q6403	XN4601	TRANSISTOR-RESISTOR	1		QR4103	UN5213	TRANSISTOR-RESISTOR	1	
Q7102	XN0653400L	TRANSISTOR-RESISTOR	1		QR4400	UN5213	TRANSISTOR-RESISTOR	1	
Q7103	2SC3931-C	TRANSISTOR	1		QR4401	UN5113	TRANSISTOR-RESISTOR	1	
Q7104	2SK662-R	TRANSISTOR	1		QR6201	UN5215	TRANSISTOR-RESISTOR	1	
Q7105	XN0653400L	TRANSISTOR-RESISTOR	1		QR6300	UN5213	TRANSISTOR-RESISTOR	1	
Q7106-08	XN6435	TRANSISTOR-RESISTOR	3		QR6301-04	UN5115	TRANSISTOR-RESISTOR	4	
Q7110	XN6435	TRANSISTOR-RESISTOR	1		QR6400	UN5211	TRANSISTOR-RESISTOR	1	
Q7111	2SK662-R	TRANSISTOR	1		QR6401	UN5111	TRANSISTOR-RESISTOR	1	
Q7113-16	XN6435	TRANSISTOR-RESISTOR	4		QR6402,03	UN5211	TRANSISTOR-RESISTOR	2	
Q7117,18	2SA1532-CD	TRANSISTOR	2		QR8700	UN5213	TRANSISTOR-RESISTOR	1	
Q7119	2SC3931-C	TRANSISTOR	1		QR8702	UN5213	TRANSISTOR-RESISTOR	1	
Q7120	2SK662-R	TRANSISTOR	1						
Q7121	XN6435	TRANSISTOR-RESISTOR	1		R3	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
Q7122	2SC3931-C	TRANSISTOR	1		R6	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
Q7202	XN0653400L	TRANSISTOR-RESISTOR	1		R9	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
Q7203	2SC3931-C	TRANSISTOR	1		R10	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
Q7204	2SK662-R	TRANSISTOR	1		R12	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
Q7205	XN0653400L	TRANSISTOR-RESISTOR	1		R15-18	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	4	
Q7206-08	XN6435	TRANSISTOR-RESISTOR	3		R20-22	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
Q7210	XN6435	TRANSISTOR-RESISTOR	1		R50-53	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
Q7211	2SK662-R	TRANSISTOR	1		R57,58	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
Q7213-16	XN6435	TRANSISTOR-RESISTOR	4		R3001-03	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	3	
Q7217,18	2SA1532-CD	TRANSISTOR	2		R3004,05	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
Q7219	2SC3931-C	TRANSISTOR	1		R3006	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
Q7220	2SK662-R	TRANSISTOR	1		R3010	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
Q7221	XN6435	TRANSISTOR-RESISTOR	1		R3011	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
Q7222	2SC3931-C	TRANSISTOR	1		R3012	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
Q7302	XN0653400L	TRANSISTOR-RESISTOR	1		R3013	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
Q7303	2SC3931-C	TRANSISTOR	1		R3016,17	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
Q7304	2SK662-R	TRANSISTOR	1		R3018	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
Q7305	XN0653400L	TRANSISTOR-RESISTOR	1		R3019	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
Q7306-08	XN6435	TRANSISTOR-RESISTOR	3		R3020-22	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	3	
Q7310	XN6435	TRANSISTOR-RESISTOR	1		R3023	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
Q7311	2SK662-R	TRANSISTOR	1		R3024	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
Q7313-16	XN6435	TRANSISTOR-RESISTOR	4		R3025	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
Q7317,18	2SA1532-CD	TRANSISTOR	2		R3026,27	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
Q7319	2SC3931-C	TRANSISTOR	1		R3028,29	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	2	
Q7320	2SK662-R	TRANSISTOR	1		R3030,31	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
Q7321	XN6435	TRANSISTOR-RESISTOR	1		R3032,33	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	2	
Q7322	2SC3931-C	TRANSISTOR	1		R3034,35	ERJ3RBD221	M.RESISTOR CH 1/16W 220	2	
Q7501-03	2SD1819A-R	TRANSISTOR	3		R3036,37	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
Q8004	XP4601	TRANSISTOR-RESISTOR	1		R3038	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
Q8022	2SB1218A-R	TRANSISTOR	1		R3039	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
Q8023,24	2SC3931-C	TRANSISTOR	2		R3040	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
Q8025	2SB1218A-R	TRANSISTOR	1		R3041	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
Q8026	B1ABCF000059	TRANSISTOR	1		R3042	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3043	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1		R3334	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3044	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1		R3335	ERJ6RED620	M.RESISTOR CH 1/10W 62	1	
R3046	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1		R3336	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3048-50	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3		R3337	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3051-53	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	3		R3338	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3057-59	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3		R3339	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R3060	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1		R3340	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R3061,62	ERJ3RBD271	M.RESISTOR CH 1/16W 270	2		R3341	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R3063-65	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3		R3346	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R3066	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1		R3354	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3068	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1		R3359	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3070	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1		R3366	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3072	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1		R3368	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3074	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1		R3370	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3076	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1		R3372	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3078-80	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	3		R3373	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R3081-83	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3		R3377	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3084-86	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3		R3382	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3087-89	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3		R3383	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R3090-92	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3		R3385	ERJ3GEYJ243	M.RESISTOR CH 1/16W 24K	1	
R3094	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1		R3401	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3095	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R3402,03	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R3096	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1		R3407	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3097	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R3408	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3098	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1		R3409	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3099	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R3412	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3100	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1		R3414	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3101	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1		R3416	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3102	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1		R3419	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3103	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1		R3420	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3104	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1		R3422	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3105	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1		R3423	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3109	ERJ3RED200	M.RESISTOR CH 1/16W 20	1		R3424	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3110	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1		R3425-30	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R3111	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1		R3432,33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3112	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1		R3434-37	D1H810140001	COMBI.R-R 100	4	
R3113	ERJ3RED200	M.RESISTOR CH 1/16W 20	1		R3502	ERJ3RBD433	M.RESISTOR CH 1/16W 43K	1	
R3114	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1		R3503	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3115	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1		R3505	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3116	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1		R3601	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R3117	ERJ3RED200	M.RESISTOR CH 1/16W 20	1		R3605	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3118	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1		R3606	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R3119	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1		R3607	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3120	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1		R3608	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3121	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1		R3609	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3122	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1		R3610	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3123	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1		R3611	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3124	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1		R3612	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3125	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1		R3613	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3126	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1		R3614-16	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3127	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1		R3617	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3128	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1		R3619,20	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R3129	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1		R3621	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3130	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1		R3622	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	1	
R3131	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1		R3623	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3132	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1		R3624	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3135	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1		R3625,26	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	2	
R3301	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1		R3627	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3302	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1		R3628	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3303	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1		R3629	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3311	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1		R3630	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3312	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1		R3631	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R3313	ERJ3RBD433	M.RESISTOR CH 1/16W 43K	1		R3632	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3314,15	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2		R3636	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3316,17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2		R3639	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3318	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R3701	ERJ3RBD221	M.RESISTOR CH 1/16W 220K	1	
R3319,20	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	2		R3702	ERJ3RBD363	M.RESISTOR CH 1/16W 36K	1	
R3321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R3704	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3322	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R3706	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3323	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R3707	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R3324,25	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2		R3708	ERJ3RED200	M.RESISTOR CH 1/16W 20	1	
R3326	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1		R3709	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3327	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1		R3710	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3329-31	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3		R3711	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R3332	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R3712	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3713	ERJ3RED510	M.RESISTOR CH 1/16W 51	1		R4200,01	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	2	
R3714	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1		R4202	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3715	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R4203	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3716	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1		R4204	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3717,18	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	2		R4206	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3719	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R4207,08	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R3720	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1		R4209	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3721	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1		R4210	ERJ3RBD111	M.RESISTOR CH 1/16W 110	1	
R3724,25	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2		R4211	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3730	ERJ3RBD243	M.RESISTOR CH 1/16W 24K	1		R4212	ERJ3RBD111	M.RESISTOR CH 1/16W 110	1	
R4000	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1		R4213-17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	
R4001,02	ERJ14YJ682	M.RESISTOR CH 1/4W 6.8K	2		R4218,19	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4003,04	ERJ6RBD223	M.RESISTOR CH 1/10W 22K	2		R4220	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R4005	ERJ3GEYJ911	M.RESISTOR CH 1/16W 910	1		R4221	ERJ3RBD111	M.RESISTOR CH 1/16W 110	1	
R4006	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1		R4222	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R4007-10	ERJ14YJ682	M.RESISTOR CH 1/4W 6.8K	4		R4223	ERJ3RBD111	M.RESISTOR CH 1/16W 110	1	
R4011,12	ERJ6RBD223	M.RESISTOR CH 1/10W 22K	2		R4224-28	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	
R4013	ERJ3GEYJ911	M.RESISTOR CH 1/16W 910	1		R4229,30	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	2	
R4014	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R4231	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4015	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1		R4232	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4016	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R4233	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4017	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		R4234	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4018	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R4235,36	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4019	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1		R4237,38	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R4020	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R4264	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4021	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		R4400,01	ERJ14YJ682	M.RESISTOR CH 1/4W 6.8K	2	
R4022,23	D1H84734A008	COMBI.R-R	2		R4402	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4024,25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2		R4403	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4026,27	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2		R4406	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4031	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		R4407	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R4032	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1		R4408	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4033	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		R4409	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4034	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1		R4410	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4035	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		R4411	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4036	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1		R4412	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4100	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1		R4415	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4102	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R4416	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R4103	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1		R4417	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4104	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1		R4418	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4105	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		R4419	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4106	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1		R4420	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4107,08	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2		R4422,23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4109	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1		R4424	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4110	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1		R4425	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R4111	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		R4426	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R4112	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R4427,28	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R4113	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1		R4429-31	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R4114	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1		R4432,33	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4115,16	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2		R6001	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4117	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R6002	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R4118	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R6004,05	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R4119	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1		R6007	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4120	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R6010	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4121	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1		R6015	D1H84734A008	COMBI.R-R	1	
R4123	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1		R6016	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R4124	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1		R6019	D1H84734A008	COMBI.R-R	1	
R4125	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R6022	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4126	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1		R6025	D1H84734A008	COMBI.R-R	1	
R4127	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1		R6029	D1H84734A008	COMBI.R-R	1	
R4128	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		R6030	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R4129	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1		R6031	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4130	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1		R6033	D1H84734A008	COMBI.R-R	1	
R4131	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1		R6034	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R4132	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		R6035	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4133	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R6036	D1H84734A008	COMBI.R-R	1	
R4134	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1		R6038	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R4135	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1		R6039	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4136,37	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2		R6040	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4138	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R6041	D1H84734A008	COMBI.R-R	1	
R4139	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R6042	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4140	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1		R6044	EXB24V101J	COMBI.R-R 100	1	
R4141	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R6045	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4142,43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2		R6046,47	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4152	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R6048	EXB24V473J	COMBI.R-R 47K	1	
R4160	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R6049	EXB24V101J	COMBI.R-R 100	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6050	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R7091	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R6051	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R7092	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6052,53	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2		R7093	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R6054	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R7094	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R6055	EXB24V103J	COMBI.R-R 10K	1		R7095	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R6056	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		R7096	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R6057,58	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2		R7097	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R6059	EXB24V101J	COMBI.R-R 100	1		R7098	ERJ3RED150	M.RESISTOR CH 1/16W 15	1	
R6060	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R7099	D1H84734A008	COMBI.R-R	1	
R6062	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R7100	L311J101J332	THERMO-SENSITIVE RESISTOR	1	
R6063	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1		R7102	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6064-68	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	5		R7103	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6069	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1		R7104,05	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	2	
R6070	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R7106,07	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R6073,74	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2		R7108	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6079	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R7109	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6080	EXB24V101J	COMBI.R-R 100	1		R7110	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R6081-85	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	5		R7111,12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R6086-88	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3		R7114-16	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3	
R6103	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		R7117	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6104-09	D1H84734A008	COMBI.R-R	6		R7118	ERJ3GEYJ163	M.RESISTOR CH 1/16W 16K	1	
R6110	EXB24V473J	COMBI.R-R 47K	1		R7119	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R6111	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R7121	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	
R6113	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R7123	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6114	D1H84734A008	COMBI.R-R	1		R7124	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	
R6117	EXB24V473J	COMBI.R-R 47K	1		R7125	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6118	D1H84734A008	COMBI.R-R	1		R7126	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6200	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R7127,28	ERJ3GEYJ152	M.RESISTOR CH 1/16W 1.5K	2	
R6202	D1H84734A008	COMBI.R-R	1		R7129	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6203,04	D1H810240001	COMBI.R-R	2		R7130	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6205,06	D1H84734A008	COMBI.R-R	2		R7131	ERJ3GEYJ332	M.RESISTOR CH 1/16W 3.3K	1	
R6209	D1H84734A008	COMBI.R-R	1		R7132	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6210	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R7133	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6212	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R7134	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6213	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R7135	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1	
R6300	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1		R7136	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6301	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R7137	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6302,03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2		R7138	ERJ3GEYJ682	M.RESISTOR CH 1/16W 6.8K	1	
R6304	D1H84734A008	COMBI.R-R	1		R7139	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R6307-10	D1H84734A008	COMBI.R-R	4		R7140	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6313,14	D1H84734A008	COMBI.R-R	2		R7141,42	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R6315,16	D1H810240001	COMBI.R-R	2		R7143	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6317-20	ERJ3GEYJ121	M.RESISTOR CH 1/10W 120	4		R7144	ERJ3GEYJ682	M.RESISTOR CH 1/16W 6.8K	1	
R6321,22	D1H84734A008	COMBI.R-R	2		R7145,46	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R6323	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R7147	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6327	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R7148	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R6328	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		R7149	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6329	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R7150	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R6400	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R7151,52	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R6401	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1		R7153	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R6405	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R7154	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R6406	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R7155	ERJ3GEYJ682	M.RESISTOR CH 1/16W 6.8K	1	
R6407-10	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4		R7157	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6411	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R7160	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6412,13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2		R7161	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6415,16	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2		R7162	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6417	D1H84734A008	COMBI.R-R 47K	1		R7163	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6500	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1		R7164	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6501-03	D1H84704A008	COMBI.R-R	3		R7165	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6504	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1		R7166	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6505-10	D1H84704A008	COMBI.R-R	6		R7167	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6511	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		R7168	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R6512	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R7169	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R6513	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R7170	ERJ3GEYJ914	M.RESISTOR CH 1/16W 910K	1	
R6516	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		R7171	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R6517-23	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	7		R7172	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R7001	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1		R7173	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R7002	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1		R7174	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R7003	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1		R7175	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R7004	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1		R7176	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7005	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1		R7177	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7006	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1		R7178	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7088	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1		R7179,80	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	
R7089	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1		R7181	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7090	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1		R7182	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R7183	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R7282	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R7184	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1		R7283	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7185	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1		R7284	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R7186	ERJ3RBD102V	M.RESISTOR CH 1/16W 1K	1		R7285	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7187	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1		R7286	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7188	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1		R7287	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7189	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R7288	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7190	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1		R7289	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R7192	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1		R7290	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R7197	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1		R7292	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R7198	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1		R7297	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7200	L311J101J332	THERMO-SENSITIVE RESISTOR	1		R7298	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R7202	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R7300	L311J101J332	THERMO-SENSITIVE RESISTOR	1	
R7203	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1		R7302	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7204,05	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2		R7303	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7206,07	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2		R7304,05	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R7208	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R7306,07	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R7209	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1		R7308	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R7210	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1		R7309	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7211,12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2		R7310	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R7214-16	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3		R7311,12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R7217	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R7314-16	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3	
R7218	ERJ3GEYJ163	M.RESISTOR CH 1/16W 16K	1		R7317	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7219	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1		R7318	ERJ3GEYJ163	M.RESISTOR CH 1/16W 16K	1	
R7221	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1		R7319	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R7223	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R7321	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R7224	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1		R7323	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7225	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R7324	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	
R7228	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1		R7325	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7227,28	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2		R7326	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7229	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R7327,28	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R7230	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R7329	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7231	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1		R7330	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7232	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1		R7331	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R7233	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R7332	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7234	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R7333	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7235	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1		R7334	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7236	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1		R7335	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R7237	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R7336	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R7238	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1		R7337	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7239	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1		R7338	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7240	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1		R7339	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R7241,42	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2		R7340	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7243	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1		R7341,42	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R7244	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1		R7343	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7245,46	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2		R7344	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7247	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R7345,46	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R7248	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R7347	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7249	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1		R7348	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R7250	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1		R7349	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7251,52	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2		R7350	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R7253	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1		R7351,52	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R7254	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1		R7353	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R7255	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1		R7354	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R7260	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R7355	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7261	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R7360	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7262	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R7361	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7263	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R7362	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7264	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R7363	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7265	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R7364	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7266	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R7365	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7267	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R7366	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7268	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1		R7367	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7269	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1		R7368	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R7270	ERJ3GEYJ914	M.RESISTOR CH 1/16W 910K	1		R7369	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R7271	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1		R7370	ERJ3GEYJ914	M.RESISTOR CH 1/16W 910K	1	
R7272	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1		R7371	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R7273	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1		R7372	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R7274	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1		R7373	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R7275	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1		R7374	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R7276	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1		R7375	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R7277	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R7376	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7278	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1		R7377	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7279,80	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2		R7378	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7281	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R7379,80	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R7381	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R8131	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R7382	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1		R8132	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R7383	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R8134,35	ERJ3GEYJ225	M.RESISTOR CH 1/16W 2.2M	2	
R7384	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1		R8139	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7385	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1		R8152	ERJ3RBD431	M.RESISTOR CH 1/16W 430	1	
R7386	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1		R8182	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R7387	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1		R8183	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R7388	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1		R8184	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R7389	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1		R8185	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R7390	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1		R8186	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R7392	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1		R8187	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R7397	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1		R8188	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7398	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1		R8189	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R7501,02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2		R8190	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R7503	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1		R8191	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R7504	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1		R8192	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R7506	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1		R8193	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R7507	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R8194,95	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R7508	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1		R8196	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R7509	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1		R8197,98	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R7511	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1		R8199	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R7512	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R8201,02	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R7513	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1		R8203	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R7514	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1		R8204	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R7516	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1		R8206	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R7517,18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2		R8223,24	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R7519	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1		R8225	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R7520	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1		R8227	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R7521	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1		R8232	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R7522	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1		R8233	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R7523	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1		R8235	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	
R7524	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R8248	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	
R7525	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1		R8249	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R7526	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1		R8250	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	
R7527	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1		R8251	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R7528	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1		R8252	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R7529	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1		R8253	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R7530	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R8254	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R7531	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1		R8255	ERJ3GEYJ0R00	M.RESISTOR CH 1/16W 0	1	
R7532	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1		R8256	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R7533	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1		R8259	ERJ3GEYJ0R00	M.RESISTOR CH 1/16W 0	1	
R7534	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1		R8263	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7535	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1		R8264	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8001	EXB24V473J	COMBI.R-R 47K	1		R8265	ERJ3GEYJ332	M.RESISTOR CH 1/16W 3.3K	1	
R8002	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1		R8266	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R8007	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R8267	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R8010	D1H84734A008	COMBI.R-R	1		R8268	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R8017	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1		R8269	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R8018	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1		R8270-73	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	4	
R8049	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		R8276	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8050	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1		R8277	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R8051,52	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	2		R8281	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R8053	EXB24V101J	COMBI.R-R 100	1		R8291	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R8055	D1H810140001	COMBI.R-R	1		R8299	ERJ3GEYJ0R00	M.RESISTOR CH 1/16W 0	1	
R8059	ERJ3RBD433	M.RESISTOR CH 1/16W 43K	1		R8301	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R8060	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1		R8305	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R8061	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1		R8307	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R8062	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1		R8308	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8063,64	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2		R8309	D1H84734A008	COMBI.R-R	1	
R8065	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		R8313	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R8066	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1		R8320	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R8067	ERJ3GEYJ0R00	M.RESISTOR CH 1/16W 0	1		R8321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8096	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R8401	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8097	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1		R8402	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R8098	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1		R8403,04	ERJ3GEYJ0R00	M.RESISTOR CH 1/16W 0	2	
R8099	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1		R8407	ERJ3GEYJ0R00	M.RESISTOR CH 1/16W 0	1	
R8100,01	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2		R8410	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R8104	ERJ3GEYJ0R00	M.RESISTOR CH 1/16W 0	1		R8412	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R8109	ERJ3GEYJ0R00	M.RESISTOR CH 1/16W 0	1		R8423	ERJ3GEYJ0R00	M.RESISTOR CH 1/16W 0	1	
R8111	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1		R8427	ERJ3GEYJ0R00	M.RESISTOR CH 1/16W 0	1	
R8112,13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2		R8430	ERJ3GEYJ0R00	M.RESISTOR CH 1/16W 0	1	
R8121	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1		R8432	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R8123	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1		R8434	ERJ3GEYJ0R00	M.RESISTOR CH 1/16W 0	1	
R8124	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1		R8436,37	ERJ3GEYJ0R00	M.RESISTOR CH 1/16W 0	2	
R8125	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R8439	ERJ3GEYJ0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R8445	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R8818	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R8446	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R8819	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R8447	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1		R8820	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R8448	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1		R8821	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R8449	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1		R8822	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R8450	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1		R8823	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R8451	L311J332G502	THERMO SENSING RESISTOR	1		R8824	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R8452	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R8825	ERJ3RBD243	M.RESISTOR CH 1/16W 24K	1	
R8453	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1		R8826	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R8454	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1		R8827	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R8456	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1		R8828	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R8457	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R8829	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8459	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1						
R8550-53	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4		RY4000,01	K6B2CDB00010	RELAY	2	
R8605	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1						
R8607-11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5		SW6300	VSS0367-04B	SWITCH	1	
R8650	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1						
R8651	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1		TG3001	EYF6CU	TEST POINT	1	
R8652	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		TG3701	EYF6CU	TEST POINT	1	
R8653	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1		TG4201	EYF6CU	TEST POINT	1	
R8654	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	1		TG7001	EYF6CU	TEST POINT	1	
R8655	ERJ3GEYJ132	M.RESISTOR CH 1/16W 1.3K	1						
R8656	ERJ3GEYJ363	M.RESISTOR CH 1/16W 36K	1		TP1	EYF6CU	TEST POINT	1	
R8659	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1		TP3001-03	EYF6CU	TEST POINT	3	
R8660	ERJ3RBD113	M.RESISTOR CH 1/16W 11K	1		TP3303-06	EYF6CU	TEST POINT	4	
R8661	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1		TP3413-15	EYF6CU	TEST POINT	3	
R8662	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		TP3603	EYF6CU	TEST POINT	1	
R8663,64	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2		TP3701	EYF6CU	TEST POINT	1	
R8700,01	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2		TP4100,01	EYF6CU	TEST POINT	2	
R8702	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		TP6100	EYF6CU	TEST POINT	1	
R8703	EXB24V473J	COMBI.R-R 47K	1		TP7101	EYF6CU	TEST POINT	1	
R8704	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1		TP7201	EYF6CU	TEST POINT	1	
R8707	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1		TP7301	EYF6CU	TEST POINT	1	
R8709	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		TP8001	EYF6CU	TEST POINT	1	
R8711	D1H84734A008	COMBI.R-R	1						
R8712	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1		VC6100	VCV0047	TRIMMER	1	
R8713	EXB24V101J	COMBI.R-R 100	1						
R8714,15	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2		VR3701	EVM7JGA00B52	V.RESISTOR 500	1	
R8716,17	EXB24V101J	COMBI.R-R 100	2		VR4400,01	EVM7JGA00B14	V.RESISTOR 10K	2	
R8718	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		VR8103	EVM7JGA00B14	V.RESISTOR 10K	1	
R8719	EXB24V101J	COMBI.R-R 100	1		VR8283	EVM7JGA00B14	V.RESISTOR 10K	1	
R8750-55	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	6						
R8756	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1		X3401	VSX0847	CRYSTAL OSCILLATOR	1	H0J270500019
R8757	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1		X6100	VSX0602	CRYSTAL OSCILLATOR	1	H0J327200050
R8758	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1		X6500	VSX0641	CRYSTAL OSCILLATOR	1	
R8759-61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3		X8001	H0J120500005	CRYSTAL OSCILLATOR	1	
R8762	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1		X8002	H0J177500009	CRYSTAL OSCILLATOR UNIT	1	
R8763,64	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2		X8003	H0J283500009	CRYSTAL OSCILLATOR UNIT	1	
R8766	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1						
R8767	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1				MISCELLANEOUS		
R8768	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1						
R8769,70	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2		VMS6507		C.B.A. POST	2	K9ZZ00000592
R8771	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1		XYN26-K6		SCREW	4	
R8772	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1		C3FBEZ000002		MICRO COMPUTER	1	
R8773	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1						
R8774	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1						
R8775,76	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2						
R8777,78	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2						
R8779	EXB24V473J	COMBI.R-R 47K	1						
R8784	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		■ E2	VEP82241A	RF SERVO C.B.A.	1	(RTL)
R8785	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1						
R8786	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1						
R8790	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1						
R8800	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1		C1	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
R8801-03	ERJ3RED750	M.RESISTOR CH 1/16W 75	3		C2	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
R8804-06	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	3		C4	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
R8807	ERJ3RBD113	M.RESISTOR CH 1/16W 11K	1		C5	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
R8808	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1		C6	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
R8810	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1		C7-10	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
R8811	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1		C11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
R8813	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1		C12	FIH1H104A783	C.CAPACITOR CH 50V 0.1U	1	
R8814	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1		C13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
R8815	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1		C14	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
R8816	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1		C18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
R8817	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1		C20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
					C25	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C100,01	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2		C601	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	1	
C102	EEVHB1C220	E.CAPACITOR 16V 22U	1		C602	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
C103,04	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	2		C603-05	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C105	ECUM1C334KBN	C.CAPACITOR CH 16V 0.33U	1		C700	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C106	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C702-16	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	15	
C107,08	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	2		C800-03	VCE0180	E.CAPACITOR	4	F2G1E1010003
C110,11	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2		C804	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C113	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C805-08	VCE0180	E.CAPACITOR	4	F2G1E1010003
C115	EEVHB1C100	E.CAPACITOR 16V 10U	1		C809	VCC0037F432	C.CAPACITOR 432P	1	
C116	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C810	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C117,18	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2		C811	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C119,20	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	2		C812	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C121	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		C813	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C122	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		C814	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C125	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		C900,01	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C126	EEVHB1C220	E.CAPACITOR 16V 22U	1		C902,03	ECA12HG472L	E.CAPACITOR 4700U	2	
C127-29	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	3						
C200,01	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2		D100	MA142K-G	DIODE	1	
C203,04	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2		D200	MA142WK	DIODE	1	
C205	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1		D201	MA3J14300L	DIODE	1	
C206	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1		D202	MA142WK	DIODE	1	
C207	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1		D203	MA3J14300L	DIODE	1	
C208,09	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2		D300,01	MA142WK	DIODE	2	
C210	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1		D400-03	MA3J14300L	DIODE	4	
C211	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		D404,05	MA736	DIODE	2	
C212	EEVHB1C220	E.CAPACITOR 16V 22U	1		D600-02	MA142WK	DIODE	3	
C213	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		D603	MA3J14300L	DIODE	1	
C214,15	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	2		D604	MA3056-M	DIODE	1	MAZ30560ML
C216	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1		D605	MA3051-M	DIODE	1	MAZ30510ML
C217	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1		D606	MA736	DIODE	1	
C219	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1		D607	MA142WK	DIODE	1	
C220	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		D700-02	MA142WK	DIODE	3	
C221	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1		D703,04	MA8047-H	DIODE	2	
C222	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1		D705	MA8062-H	DIODE	1	
C223-25	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3		D706,07	MA3043-M	DIODE	2	
C226	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1		D708	MA3051-M	DIODE	1	MAZ30510ML
C227	EEVHB1C220	E.CAPACITOR 16V 22U	1		D709-20	EC15QS04	DIODE	12	
C228	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		D800-03	MA728	DIODE	4	
C229,30	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	2		D804-07	MA736	DIODE	4	
C231	EEVHB1C100	E.CAPACITOR 16V 10U	1		D900	MA8051-H	DIODE	1	
C232-37	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	6		D901	NSQ03A04	DIODE	1	BOJCE000013
C238-40	EEVHB1E330P	E.CAPACITOR 25V 33U	3						
C242	EEVHB1C220	E.CAPACITOR 16V 22U	1		IC1	AN3732FHQ	IC	1	
C300,01	EEVHB1H3R3	E.CAPACITOR 50V 3.3U	2		IC3	XC62FP3002P	IC	1	
C302,03	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2		IC100	TVHC14FT	IC	1	
C304	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1		IC101	XC62FP3302P	IC	1	
C305	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1		IC102,03	TVHC74FT	IC	2	
C306	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1		IC104	TVHC86FT	IC	1	
C307	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1		IC105	S80829ANUP	IC	1	
C308,09	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	2		IC106	TC7WU04FU	IC	1	
C310-13	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4		IC107	MN1030F04K	IC	1	
C314	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1		IC200	XC62FP5002P	IC	1	
C315	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1		IC201	TA75W393FU	IC	1	
C316	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	1		IC202,03	NJM2902V	IC	2	
C317	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1		IC204	AN3890FBS	IC	1	
C318	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1		IC205	NJM2901M	IC	1	COBBCA000008
C319-21	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	3		IC206	TVHC14FT	IC	1	
C322-27	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	6		IC207	AN3890FBS	IC	1	
C328,29	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2		IC208,09	MDC05	IC	2	
C330,31	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2		IC300	NJM2902V	IC	1	
C400,01	EEVHB1H3R3	E.CAPACITOR 50V 3.3U	2		IC301,02	AN3841SR	IC	2	
C402-05	F1K0J1060002	C.CAPACITOR CH 6.3V 10U	4		IC400	NJM2902V	IC	1	
C406-09	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	4		IC401	UPC4558G2	IC	1	COABBB000131
C410	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		IC402	NJM2902V	IC	1	
C411	EEVHB1H3R3	E.CAPACITOR 50V 3.3U	1		IC403	NJM2901M	IC	1	COBBCA000008
C412	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		IC404	UPC4558G2	IC	1	COABBB000131
C413-16	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4		IC802	BA6219BFP-Y	IC	1	
C417	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		IC700	TC4538BF	IC	1	
C418-20	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3		IC701-03	BA6219BFP-Y	IC	3	
C421	EEVHB1C100	E.CAPACITOR 16V 10U	1		IC800	TL1451CNS	IC	1	COBAM000001
C422	EEVHB1H3R3	E.CAPACITOR 50V 3.3U	1		IC900	COABBA000071	IC	1	
C423	EEVHB1E330P	E.CAPACITOR 25V 33U	1						
C424	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		ID107	VVVS13674C	SOFTWARE	1	
C425,26	EEVHB0J330	E.CAPACITOR 6.3V 33U	2						
C600	EEVHB1C220	E.CAPACITOR 16V 22U	1		J1	VJR1094	TERMINAL	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
J500-02	VJR1094	TERMINAL	3		R109	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
L1	VLQ0319K101	COIL 100UH	1	G1C101K00022	R110	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
L2	VLQ0319K100	COIL 10UH	1	G1C100K00023	R113	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
L600	VLQ0319K101	COIL 100UH	1	G1C101K00022	R114,15	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
L800-03	VLQ0650M151	COIL 150UH	4	G1C151MA0016	R117	ERJ3GEYJ120	M.RESISTOR CH 1/16W 12	1	
P1	VJS3900A024	CONNECTOR (FEMALE)	1		R118	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
P2	VJS3801D024	CONNECTOR (FEMALE)	1		R119	D1H810140001	COMBI.R-R	1	
P501	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051	R120	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
P502	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007	R121,22	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
P503	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051	R123,24	D1H84734A008	COMBI.R-R	2	
P504	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006	R125	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
P505	VJP3518B002	CONNECTOR (MALE)	1		R126	D1H84734A008	COMBI.R-R	1	
P506	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006	R127	D1H810140001	COMBI.R-R	1	
P507	VJS3801B010	CONNECTOR (FEMALE)	1		R128	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
P508	VJP3518B002	CONNECTOR (MALE)	1		R129	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
P509	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051	R130,31	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	2	
P510	VJP3518B003	CONNECTOR (MALE)	1		R133	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
P511	VJP3518B002	CONNECTOR (MALE)	1		R134	D1H84734A008	COMBI.R-R	1	
P512	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007	R135	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
P513	VJS3406B015	CONNECTOR (FEMALE)	1		R136	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
P514,15	VJS3813C017	CONNECTOR (FEMALE)	2	K1MN17B00012	R137	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
P516	VJS3406B019	CONNECTOR (FEMALE)	1		R139	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
P517	VJP1235T	CONNECTOR (MALE) 8P	1		R140	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
P518	VJP3125B002	CONNECTOR (MALE)	1	K1KA02B00111	R142	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
P520	VJS3828A020	CONNECTOR (FEMALE)	1		R143	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
P521	VJS3801B040	CONNECTOR (FEMALE)	1		R200	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
P522	VJS3801D024	CONNECTOR (FEMALE)	1		R201	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
Q200-03	2SD1819A-R	TRANSISTOR	4		R202	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
Q400	2SB1219A-R	TRANSISTOR	1		R203	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
Q600	2SD1819A-R	TRANSISTOR	1		R204	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
Q601	2SD1624-S	TRANSISTOR	1		R205	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
Q602	2SB1073-R	TRANSISTOR	1		R206	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
Q603	2SD1819A-R	TRANSISTOR	1		R207	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
Q700-02	2SD601-R	TRANSISTOR	3		R208	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
Q703-05	2SB1073-R	TRANSISTOR	3		R209	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
Q800-03	2SB1073-R	TRANSISTOR	4		R210	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
Q900	2SB936A-Q	TRANSISTOR	1		R211	ERJ3GEYJ382	M.RESISTOR CH 1/16W 3.9K	1	
Q901	2SD1819A-R	TRANSISTOR	1		R212	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
QR1-R3	UN5214	TRANSISTOR-RESISTOR	3		R213	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
QR200,01	UN5213	TRANSISTOR-RESISTOR	2		R214	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
QR600	UN5214	TRANSISTOR-RESISTOR	1		R215	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
QR601	UN5114	TRANSISTOR-RESISTOR	1		R216	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
QR602	UN5214	TRANSISTOR-RESISTOR	1		R217	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
QR603	UN5114	TRANSISTOR-RESISTOR	1		R218	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
QR604,05	UN5214	TRANSISTOR-RESISTOR	2		R219	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
QR700	UN5213	TRANSISTOR-RESISTOR	1		R220-22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
QR701-06	UN5214	TRANSISTOR-RESISTOR	6		R223	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
QR707-12	UN5114	TRANSISTOR-RESISTOR	6		R224	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
QR713-18	UN5213	TRANSISTOR-RESISTOR	6		R225	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
QR719-21	UNR521400L	TRANSISTOR	3		R226	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1		R227	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R4	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1		R228	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R5	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R229	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1		R230	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R9-12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4		R231	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R15	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R232	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R16	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R233	ERJ8GEYJ1R2	M.RESISTOR CH 1/8W 1.2K	1	
R17	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1		R234,35	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R236	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R20	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		R237	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R21	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R238	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R34	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R239	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R35	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1		R240	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R38,39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2		R241	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R100	D1H810140001	COMBI.R-R	1		R242	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R101	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R243	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R102	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1		R244	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R103	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1		R245	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R104-07	D1H810140001	COMBI.R-R	4		R246	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R108	D1H84734A008	COMBI.R-R	1		R247	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
					R248	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
					R249	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
					R250	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
					R251	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
					R253	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R254	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1		R619	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R255	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1		R621	ERJ8GEYJ300	M.RESISTOR CH 1/8W 30	1	
R257	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1		R622-25	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R258	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R626,27	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R259	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1		R628,29	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R260	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1		R630	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R261	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1		R631	ERJ8GEYJ471	M.RESISTOR CH 1/8W 470	1	
R262	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R632	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R263	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1		R633	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	
R264	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1		R634	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R265	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1		R635	D1H810240001	COMBLR-R	1	
R266	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1		R636	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R267	ERJ8GEYJ1R2	M.RESISTOR CH 1/8W 1.2K	1		R700	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R268	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1		R701	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R269	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1		R702-04	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R270	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1		R705-07	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	3	
R271	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R708-10	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	3	
R272,73	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	2		R711-13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R274	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1		R800	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R275,76	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	2		R801,02	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R300	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1		R803-05	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	3	
R301	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1		R806,07	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	2	
R302	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1		R808,09	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R303	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1		R810	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R304	ERJ6RBD223	M.RESISTOR CH 1/10W 22K	1		R811	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R305,06	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	2		R812,13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R307	ERJ6RBD223	M.RESISTOR CH 1/10W 22K	1		R814	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R308-11	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	4		R815	ERJ3GEYJ0R00	M.RESISTOR CH 1/16W 0	1	
R313	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R816	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R314	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1		R817	ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	1	
R315	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R818	ERJ3GEYJ0R00	M.RESISTOR CH 1/16W 0	1	
R316	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1		R819	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R317	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R820	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R318	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1		R821	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R319	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R822	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R320	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1		R823	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R322-25	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	4		▲ R824-27	K5H1623A0001	FUSE	4	
R326-31	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	6		R900,01	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R332	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1		R902	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R333	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1		R903	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R334	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1		R904-06	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	3	
R335	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1		R967	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R400-03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4						
R404,05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2		TP300-02	EYF6CU	TEST POINT	3	
R406,07	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2		TP400	EYF6CU	TEST POINT	1	
R408-11	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	4		TP500-03	EYF6CU	TEST POINT	4	
R412-16	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	5		TP600,01	EYF6CU	TEST POINT	2	
R417	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1						
R418	ERJ3GEYJ332	M.RESISTOR CH 1/16W 3.3K	1		VR300,01	EVM7JGA00B24	V.RESISTOR 20K	2	
R419-22	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4		VR400	EVM7JGA00B24	V.RESISTOR 20K	1	
R424-27	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	4		VR401	EVM7JGA00B54	V.RESISTOR 50K	1	
R428	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1		VR600,01	VRV0303B203A	V.RESISTOR 20K	2	D3EC3203A002
R429-32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4						
R433	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1		X100	VSX0918	CRYSTAL OSCILLATOR	1	HQJ250500005
R434	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1						
R435	ERJ6RBD682	M.RESISTOR CH 1/10W 6.8K	1				MISCELLANEOUS		
R436	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1						
R437	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1			VKC0422	SPACER	1	
R438	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1						
R439	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1						
R501	D1H84734A008	COMBLR-R	1						
R502	D1H810140001	COMBLR-R	1						
R600	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1		■ E3	VEP83548B	VTR SUB C.B.A.	1	(RTL)
R601	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1						
R602	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1						
R603	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1						
R604	ERJ3GEYJ0R00	M.RESISTOR CH 1/16W 0	1						
R605	ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1		C101	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
R606	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1		C102	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
R608	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		C103	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
R611	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1		C104	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
R612	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1		C105	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
R613	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1		C106	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
R614,15	ERJ8GEYJ101	M.RESISTOR CH 1/8W 100	2		C107-10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
R617	ERJ3GEYJ0R00	M.RESISTOR CH 1/16W 0	1		C111-13	F1J0J475A006	C.CAPACITOR CH6.3V 1U	3	
					C114,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C116-19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4		R129	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
C120-25	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	6		R135	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
C126,27	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2		R136	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
C128-31	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	4		R137	ERJ3GEYJ332	M.RESISTOR CH 1/16W 3.3K	1	
C132-34	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	3		R138,39	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
C135	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1		R140	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
C136	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1		R141	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
C137	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1		R142	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
C138	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1		R144	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C139,40	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2		R147	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C141	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1		R149-52	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
C206-08	F1J0J475A006	C.CAPACITOR CH6.3V 1U	3		R154-56	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
C209,10	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	2		R159	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C211,12	F1J0J475A006	C.CAPACITOR CH6.3V 1U	2		R202	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C213	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1		R203,04	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
C214-17	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	4		R205	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
C218	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1		R206	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C219	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1		R207,08	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
C220	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		R209,10	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	2	
C221	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1		R213	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
C222	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1		R215	ERJ3GEYJ332	M.RESISTOR CH 1/16W 3.3K	1	
C223,24	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	2		R216	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
C225-27	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3		R217	ERJ3GEYJ332	M.RESISTOR CH 1/16W 3.3K	1	
C302,03	F1J0J475A006	C.CAPACITOR CH6.3V 1U	2		R218	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C307	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1		R220,21	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
C308-14	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	7		R223,24	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
C315	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1		R225	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
C316-20	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	5		R229	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C321	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1		R231	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C322	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1		R233	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C412-14	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	3		R302	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
C415	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1		R304	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C416	ECUX1E104ZV	C.CAPACITOR CH 25V 0.1U	1		R306	ERJ3GEYJ270	M.RESISTOR CH 1/16W 27	1	
					R307	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
IC101,02	XC62FP3002P	IC	2		R309,10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
IC103	C1ZBZ0001435	IC	1	C1ZBZ0001649	R312,13	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	
IC104	BH7088KV	IC	1		R314-16	ERJ3RED560	M.RESISTOR CH 1/16W 56	3	
IC105	C0JBAZ001605	IC	1		R318	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
IC203	MN2MD00006F	IC	1		R319	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
IC302	C1DB00000455	IC	1		R406,09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
IC402	PLL 1700E	IC	1		R411	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
IC403	XC62FP5002P	IC	1				MISCELLANEOUS		
L101-05	VLP0353	COIL	5						
L106,07	VLQ0319K101	COIL 100UH	2	G1C101K00022		VEE0J61	EARTH CABLE	1	
L108	VLQ0426J100	COIL 12UH	1	G1C100J00008					
L201-06	VLP0353	COIL	6						
L301-03	VLP0353	COIL	3						
L304,05	JOL C00000008	FILTER	2						
L402	VLP0155	COIL	1						
P1	VJS3878A120A	CONNECTOR (FEMALE)	1		■ E4	VEP80C03A	VTR S/S C.B.A.	1	(RTL)
P2	VJP3125B006	CONNECTOR (MALE) 6P	1						
Q101,02	2SD1819A-R	TRANSISTOR	2		P11	VJP1230T	CONNECTOR (MALE) 3P	1	
R1	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1		SW11	EVQQS205K	SWITCH	1	
R2	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1						
R3	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1						
R102	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1						
R105	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1						
R106	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1						
R106,09	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2		■ E5	WE600EKF1B	DRIVE C.B.A.	1	(RTL)
R110	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1						
R112	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1						
R113	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1		C0001	F3H1A2260003	T.CAPACITOR CH 10V 22U	1	
R115	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1		C0002	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
R116	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1		C0003-08	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	6	
R117	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1		C0010,11	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	2	
R118	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C0012	F3G1V2250001	T.CAPACITOR CH 35V 2.2U	1	
R119	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1		C0013	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
R120	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C0014	F3G1C1060002	T.CAPACITOR CH 16V 10U	1	
R121,22	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2		C0015	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1	
R123,24	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2		C0017	SK41C336MC	T.CAPACITOR CH 16V 33U	1	
R128	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		C0018,19	F3H1A1070003	T.CAPACITOR CH 10V 100U	2	
					C0020-23	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C0026	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		▲ U0007	MC74ACT04DT	IC	1	
C0027	F1H1H180A231	C.CAPACITOR CH 50V 18P	1		U0011,12	C0JBAF000239	IC	2	
C0029	F3H1E1060005	T.CAPACITOR CH 25V 10U	1		U0013	C0JBA0000157	IC	1	
C0030	SK41C336MC	T.CAPACITOR CH 16V 33U	1		U0014-16	C0JBAB000005	IC	3	
C0031	F1H1H103A190	C.CAPACITOR CH 50V 0.01U	1	F1H1H103A190	▲ U0018	MC74ACT04DT	IC	1	
C0032	F1H1H102A190	C.CAPACITOR CH 50V 1000P	1		U0019	C0JBAZ000171	IC	1	C0JBAZ000171
C0033-35	F1J1H104A428	C.CAPACITOR CH 50V 0.1U	3		U0020	C0CBABG00006	IC	1	
C0042	F3H1V6850002	T.CAPACITOR CH 35V 6.8U	1						
C0043	F3F1A1060001	T.CAPACITOR CH 10V 10U	1		X0001	H0J283500005	CRYSTAL OSCILLATOR	1	
C0044	F3H1V6850002	T.CAPACITOR CH 35V 6.8U	1				MISCELLANEOUS		
C0046	SK41C336MC	T.CAPACITOR CH 16V 33U	1						
C0047	F3F1A1060001	T.CAPACITOR CH 10V 10U	1			VEE0N69	MAIN DRIVE SHIELD ASS'Y	1	
C0048	SK41C336MC	T.CAPACITOR CH 16V 33U	1						
C0051,52	F1H1A105A004	C.CAPACITOR CH 10V 1U	2						
C0053	F3H1A1070003	T.CAPACITOR CH 10V 100U	1						
C0054,55	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	2						
D0005	MA159	DIODE	1						
					■ E6	VEP81220A	POWER C.B.A.	1	(RTL)
IC0001	TC7SH04FU	IC	1						
IC0004,05	TC7SH32F	IC	2		C1	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
IC0009	YW78L05UA	IC	1		C2,C3	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
IC0010	NJM2904D	IC	1	C0AABA000018	C4	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
IC0017	YW78L05UA	IC	1		C5	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
					C6	ECUX1A474KBV	C.CAPACITOR CH 10V 0.1U	1	
J0001	K1MM21B00003	CONNECTOR	1		C7	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
J0002	K1MZ30B00002	CONNECTOR	1		C8	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
					C9	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
Q0004	2SC4176	TRANSISTOR	1	B1ABDB000014	C10	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
Q0005	2SA1610	TRANSISTOR	1		C11,12	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	2	
Q0009	2SB1218ARS	TRANSISTOR	1		C13	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
Q0010,11	2SD1819A-R	TRANSISTOR	2		C14	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
Q0012	2SB1218ARS	TRANSISTOR	1		C15	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
Q0013	2SB970-R	TRANSISTOR	1		C16	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
Q0014	2SD1819A-R	TRANSISTOR	1		C17	ECUX1H123KBV	C.CAPACITOR CH 50V 0.012U	1	
Q0015	2SD1328-R	TRANSISTOR	1		C18	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
Q0016	2SB1218ARS	TRANSISTOR	1		C21	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
					C23	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
R0001	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C25	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
R0003,04	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2		C26	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
R0005	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		C27	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
R0008	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C28	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	1	
R0010	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1		C29	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
R0011	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1		C30	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	1	
R0012-21	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	10		C32	VCEA1CAP101	E.CAPACITOR 16V 100U	1	
R0028	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1		C33	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
R0029	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C34	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
R0031	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C35	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
R0033	ERJ3GEYJ580	M.RESISTOR CH 1/16W 56	1		C39	VCEA1AAP221	E.CAPACITOR 10V 220U	1	F2D1A2210001
R0034	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1		C41	VCEA1AAP221	E.CAPACITOR 10V 220U	1	F2D1A2210001
R0035	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1		C42	EEVHB1E6R8R	E.CAPACITOR 25V 6.8U	1	
R0036	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C100	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
R0041-43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3		C101,02	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
R0047,48	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	2		C103	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
R0049	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		C105	ECUX1A474KBV	C.CAPACITOR CH 10V 0.1U	1	
R0050	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1		C106	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
R0051	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1		C107	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
R0052	ERJ3R8D133	M.RESISTOR CH 1/16W 13K	1		C108	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
R0053	ERJ3R8D622	M.RESISTOR CH 1/16W 6.2K	1		C109	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
R0054	ERJ3R8D153	M.RESISTOR CH 1/16W 15K	1		C110,11	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	2	
R0055	ERJ3R8D303	M.RESISTOR CH 1/16W 30K	1		C112	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
R0056	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		C113	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
R0057	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1		C114	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
R0060,61	ERJ3R8D103	M.RESISTOR CH 1/16W 10K	2		C115	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
R0062	ERJ3R8D912	M.RESISTOR CH 1/16W 9.1K	1		C116	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
R0063	ERJ3R8D822	M.RESISTOR CH 1/16W 8.2K	1		C117	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
R0064	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		C121,22	VCEA1AAP101	E.CAPACITOR 10V 100U	2	
R0065	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1		C123	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
R0068,69	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2		C124	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
R0070	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		C125	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	1	
R0074	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		C126	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
					C127	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	1	
U0002	TC7SZ08F	IC	1		C129	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
U0003	CXD2454A	IC	1		C130	VCEA1CAP101	E.CAPACITOR 16V 100U	1	
U0006	C1AB00000340	IC	1						

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C132	VCEA1CAP101	E.CAPACITOR 16V 100U	1		IC100	BA9706K	IC	1	C0DBAZZ00012
C133	VCEA1DAP680	E.CAPACITOR 20V 68U	1		IC200	BA9743AFV	IC	1	
C134,35	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	2		IC300	NUM78L05UA	IC	1	C0CBADC00010
C136	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1		IC400	BA9743AFV	IC	1	
C138	EEUFC1E181	E.CAPACITOR 25V 180U	1						
C139	ECUX1E105KBM	C.CAPACITOR CH 25V 1U	1		JP1	VMP6346	EARTH LUG	1	
C140	EEUFC1E181	E.CAPACITOR 25V 180U	1						
C141	F1J1C105A091	C.CAPACITOR CH 16V 1U	1		L1-L3	VLP0353	COIL	3	
C142	EEUFC1E181	E.CAPACITOR 25V 180U	1		L4	J0JKC0000009	FILTER	1	
C143	ECUX1E105KBM	C.CAPACITOR CH 25V 1U	1		L5	G1C4R7M00009	COIL 4.7UH	1	
C144	EEUFC1E181	E.CAPACITOR 25V 180U	1		L6	J0JKC0000009	FILTER	1	
C145	F1J1C105A091	C.CAPACITOR CH 16V 1U	1		L7	VLQ0859M101	COIL 100UH	1	
C146	EEVHB1E6R8R	E.CAPACITOR 25V 6.8U	1		L8	G1C6R8M00001	COIL 6.8UH	1	
C200,01	F1J0J475A006	C.CAPACITOR CH6.3V 1U	2		L9	J0JKC0000009	FILTER	1	
C202	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1		L10	G1C4R7M00009	COIL 4.7UH	1	
C203	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1		L11	J0JKC0000009	FILTER	1	
C205	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1		L12	VLQ0859M101	COIL 100UH	1	
C206	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1		L13	G1C6R8M00001	COIL 6.8UH	1	
C207	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		L14	J0JKC0000009	FILTER	1	
C208	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1		L15	G1C4R7M00009	COIL 4.7UH	1	
C209	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	1		L16	VLQ0859M221	COIL 220U	1	
C210	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1		L17	J0JKC0000009	FILTER	1	
C211	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		L18	G1C6R8M00001	COIL 6.8UH	1	
C212	VCEA1DAP680	E.CAPACITOR 20V 68U	1		L100-02	VLP0353	COIL	3	
C216	VCEA1AAP101	E.CAPACITOR 10V 100U	1		L103	J0JKC0000009	FILTER	1	
C218	ECA1EFQ820	E.CAPACITOR 25V 82U	1		L104	G1C4R7M00009	COIL 4.7UH	1	
C219,20	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2		L105	J0JKC0000009	FILTER	1	
C221	EEUFC1J680	E.CAPACITOR 63V 68U	1		L106	VLQ0859M101	COIL 100UH	1	
C222	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		L107	G1C6R8M00001	COIL 6.8UH	1	
C223	EEUFC1J680	E.CAPACITOR 63V 68U	1		L108	J0JKC0000009	FILTER	1	
C224	EEVHB1E6R8R	E.CAPACITOR 25V 6.8U	1		L109	G1C4R7M00009	COIL 4.7UH	1	
C226	VCEA1AAP101	E.CAPACITOR 10V 100U	1		L110	J0JKC0000009	FILTER	1	
C250,51	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2		L111	VLQ0859M221	COIL 220U	1	
C300	ECUX1E105KBM	C.CAPACITOR CH 25V 1U	1		L112	G1C6R8M00001	COIL 6.8UH	1	
C302	EEVHB1E6R8R	E.CAPACITOR 25V 6.8U	1		L113	J0JKC0000009	FILTER	1	
C303,04	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2		L114	G1C4R7M00009	COIL 4.7UH	1	
C305,06	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	2		L115,16	G1A100G00006	COIL 10UH	2	
C307	F1L1C1060020	C.CAPACITOR CH 16V 10U	1		L200,01	VLP0353	COIL	2	
C309	EEVHB1E6R8R	E.CAPACITOR 25V 6.8U	1		L202	J0JKC0000009	FILTER	1	
C310	VCEA1DAP101	E.CAPACITOR 20V 100U	1		L203	G1C4R7M00009	COIL 4.7UH	1	
C401	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1		L204	J0JKC0000009	FILTER	1	
C402	ECUX1A684KBV	C.CAPACITOR CH 10V 0.68U	1		L205	VLQ0859M101	COIL 100UH	1	
C403	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1		L206	G1C6R8M00001	COIL 6.8UH	1	
C404	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1		L207	J0JKC0000009	FILTER	1	
C405	ECUX1H183KBV	C.CAPACITOR CH 50V 0.018U	1		L209	VLQ0319K680	COIL 68UH	1	G1C680KA0002
C406	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1		L210	G1A102B00003	COIL 100UH	1	
C407	ECUX1H183KBV	C.CAPACITOR CH 50V 0.018U	1		L300	VLQ0319K100	COIL 10UH	1	G1C100K00023
C408	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		L302-04	J0JKC0000009	FILTER	3	
C409	VCEA1DAP680	E.CAPACITOR 20V 68U	1		L400	VLQ0319K100	COIL 10UH	1	G1C100K00023
C411,12	VCEA1CAP101	E.CAPACITOR 16V 100U	2		L401	VLP0353	COIL	1	
C413	EEVHB1E6R8R	E.CAPACITOR 25V 6.8U	1		L402	J0JKC0000009	FILTER	1	
					L403	G1C4R7M00009	COIL 4.7UH	1	
					L404	J0JKC0000009	FILTER	1	
					L405	VLQ0859M680	COIL 68UH	1	
					L406	G1C6R8M00001	COIL 6.8UH	1	
D1-D4	MA142WK	DIODE	4						
D5	MA3J14300L	DIODE	1		P1	VEE0Q31	POWER 1 CABLE	1	
D8-12	NSQ03A04	DIODE	5	B0JCPE000013	P2	VEE0M65	POWER CABLE 2	1	
D100-03	MA142WK	DIODE	4		P3	K1KA07B00006	CONNECTOR (MALE)	1	
D104	MA3J14300L	DIODE	1		P4	VJP2824B003	CONNECTOR (MALE)	1	K1KA03B00005
D107	NSQ03A04	DIODE	1	B0JCPE000013					
D109	NSQ03A04	DIODE	1	B0JCPE000013	Q1	2SD1820A-R	TRANSISTOR	1	
D110,11	SFPB-76V	DIODE	2		Q2	2SB1219A-R	TRANSISTOR	1	
D112	MA739	DIODE	1		Q3	B1DHEG000002	TRANSISTOR	1	
D113-17	MA8068-MH	DIODE	5		Q5	2SD1820A-R	TRANSISTOR	1	
D200-02	MA142WK	DIODE	3		Q6	2SB1219A-R	TRANSISTOR	1	
D205	NSQ03A04	DIODE	1	B0JCPE000013	Q7	XM4401	TRANSISTOR-RESISTOR	1	
D206	EC10QS1012	DIODE	1	B0JCML000002	Q8	2SD1820A-R	TRANSISTOR	1	
D207	MA142WK	DIODE	1		Q9	B1DHEG000002	TRANSISTOR	1	
D301-03	MA3X721D0L	DIODE	3		Q10,11	2SD1820A-R	TRANSISTOR	2	
D304-06	MA8068-MH	DIODE	3		Q12	2SB1219A-R	TRANSISTOR	1	
D307	S3V60	DIODE	1	B0EAKR000020	Q13	B1DHEG000002	TRANSISTOR	1	
D309	MA142WA	DIODE	1		Q100	2SD1820A-R	TRANSISTOR	1	
D310	MA142WK	DIODE	1		Q101	2SB1219A-R	TRANSISTOR	1	
D400	MA142WK	DIODE	1		Q102	B1DHEG000002	TRANSISTOR	1	
D404	NSQ03A04	DIODE	1	B0JCPE000013					
IC1	BA9706K	IC	1	C0DBAZZ00012					

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q105	2SD1820A-R	TRANSISTOR	1		R62	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
Q106	2SB1219A-R	TRANSISTOR	1		R63	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
Q107	4N4401	TRANSISTOR-RESISTOR	1		R64	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
Q108	2SD1820A-R	TRANSISTOR	1		R100	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
Q109	B1DHEG000002	TRANSISTOR	1		R101	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
Q110	2SD1820A-R	TRANSISTOR	1		R103	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
Q111	2SB1219A-R	TRANSISTOR	1		R104,05	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
Q112	2SK1748-Z	TRANSISTOR	1		R106-11	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	6	
Q200	2SD1820A-R	TRANSISTOR	1		R112	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
Q201	2SB1219A-R	TRANSISTOR	1		R113	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
Q202	B1DHEG000002	TRANSISTOR	1		R114	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
Q204	2SB1219A-R	TRANSISTOR	1		R115	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
Q205	2SD2403	TRANSISTOR	1		R116	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
Q300	2SB1219A-R	TRANSISTOR	1		R117	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
Q301	2SJ280S	TRANSISTOR	1	B1DHJG000001	R118	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
Q303	B1DHEG000002	TRANSISTOR	1		R119	ERJ3RBD103V	M.RESISTOR CH 1/16W 10K	1	
Q401	2SD1820A-R	TRANSISTOR	1		R120	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
QR1,R2	UN5112	TRANSISTOR-RESISTOR	2		R121	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
QR3	UN5211	TRANSISTOR-RESISTOR	1		R122	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
QR100,01	UN5112	TRANSISTOR-RESISTOR	2		R123	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
QR102	UN5211	TRANSISTOR-RESISTOR	1		R124	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
QR202,03	UN5112	TRANSISTOR-RESISTOR	2		R125	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
QR300	UN5211	TRANSISTOR-RESISTOR	1		R126	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
QR301	UN5215	TRANSISTOR-RESISTOR	1		R127	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
QR303	UN5211	TRANSISTOR-RESISTOR	1		R128	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
QR400	UN5112	TRANSISTOR-RESISTOR	1		R129	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
QR401	UN5211	TRANSISTOR-RESISTOR	1		R130	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
QR404	UN5112	TRANSISTOR-RESISTOR	1		R134	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1		R137	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R2	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1		R138	ERJ3RBD112	M.RESISTOR CH 1/16W 1.1K	1	
R3,R4	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2		R139	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R6	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1		R140	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7-12	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	6		R141	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R142	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R14,15	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2		R143	ERJ14RSJR10	M.RESISTOR CH 1/4W 0.1	1	
R16	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R144	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R17	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1		R145	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R18	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		R146	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R19	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1		R147	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R20	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1		R148	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R21	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1		R150	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R22	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1		R151	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R23	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R152	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R24	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1		R153	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R25	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1		R154	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R26	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1		R155	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R27	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1		R156	ERJ8GEYJ472	M.RESISTOR CH 1/8W 4.7K	1	
R28	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1		R157	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R29	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R159,60	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R30	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1		R162	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R31	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1		R164,65	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	2	
R35	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		R166	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R37	ERJ3GEYJ180	M.RESISTOR CH 1/16W 18	1		R202	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R38	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R203	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R39	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1		R204	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1		R205	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R41	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1		R206	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R42	ERJ14RSJR10	M.RESISTOR CH 1/4W 0.1	1		R207-10	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	4	
R43	ERJ3GEYJ431	M.RESISTOR CH 1/16W 430	1		R211	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R44	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R212	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R45	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R213	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R46	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		R214	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R47	ERJ3GEYJ180	M.RESISTOR CH 1/16W 18	1		R216	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R49	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1		R217	ERJ3RED224	M.RESISTOR CH 1/16W 220K	1	
R50	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1		R218	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R51	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R219	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R52	ERJ3RBD433	M.RESISTOR CH 1/16W 43K	1		R220	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R53	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R221	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R54	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1		R222	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R55	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1		R226	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R56	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		R228	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R60	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1		R229	ERJ14YJ1R0	M.RESISTOR CH 1/4W 1.0	1	
R61	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1		R230	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
					R231	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
					R232	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E11	VEP80C09A	1394 JACK C.B.A.	1	(RTL)	■ E14	WE600EKD1B	SENSOR B C.B.A.	1	(RTL)
J300	VJJ0568	DV JACK	1		C0001,02	F3H1E4750002	T.CAPACITOR CH 25V 4.7U	2	
P300	VEE0N20	1394 CABLE	1		C0003	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
					C0004	F3H0J1560001	T.CAPACITOR CH6.3V 15U	1	
					C0006	F3H0J4760002	T.CAPACITOR CH6.3V 47U	1	
					C0007	F3H1E4750002	T.CAPACITOR CH 25V 4.7U	1	
					C0008	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1	
■ E12	WE600EKB1B	SENSOR R C.B.A.	1	(RTL)	J0001	K1MZ18B00003	CONNECTOR	1	
C0001,02	F3H1E4750002	T.CAPACITOR CH 25V 4.7U	2		L0001	G1C150J00002	COIL 15UH	1	
C0003	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1		Q0001	2SC3931-C	TRANSISTOR	1	
C0004	ECSF1CE156	T.CAPACITOR CH 16V 15U	1		R0001	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C0006	F3H0J4760002	T.CAPACITOR CH6.3V 47U	1		R0003	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
C0007	F3H1E4750002	T.CAPACITOR CH 25V 4.7U	1		R0004	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
C0008	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		R0005	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
J0001	K1MZ18B00003	CONNECTOR	1		R0006	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L0001	G1C150J00002	COIL 15UH	1		R0007	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
Q0001	2SC3931-C	TRANSISTOR	1		R0008	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R0001	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R0009	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R0003	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1		W0001	BP120J1	LEAD	1	
R0004	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1						
R0005	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1		■ E15	WE600EKE1B	PRE AMP C.B.A.	1	(RTL)
R0006	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		■	VEP83564A	PRE AMP 3 C.B.A.	1	(RTL)FOR WE600EKE1B
R0007	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1						
R0008	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1		C0001	F3H1C6860001	T.CAPACITOR CH 16V 68U	1	
R0009	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1		C0002	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
					C0003	F3F1C225A006	T.CAPACITOR CH 16V 2.2U	1	
					C0005-07	F3H1C6860001	T.CAPACITOR CH 16V 68U	3	
					C0008	F3G1A3360001	T.CAPACITOR CH 10V 33U	1	
					C0009	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
					C0010	F3F1C225A006	T.CAPACITOR CH 16V 2.2U	1	
■ E13	WE600EKC1B	SENSOR G C.B.A.	1	(RTL)	C0012	F3G1A3360001	T.CAPACITOR CH 10V 33U	1	
C0001,02	F3H1E4750002	T.CAPACITOR CH 25V 4.7U	2		C0101	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0003	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1		C0102	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
C0004	F3H0J1560001	T.CAPACITOR CH6.3V 15U	1		C0103	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1	F1H1E104A016
C0006	F3H0J4760002	T.CAPACITOR CH6.3V 47U	1		C0104	F3G1C2260001	T.CAPACITOR CH 18V 22U	1	
C0007	F3H1E4750002	T.CAPACITOR CH 25V 4.7U	1		C0105	F1H1H180A231	C.CAPACITOR CH 50V 18P	1	
C0008	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		C0106	F1H1H150A004	C.CAPACITOR CH 50V 15P	1	
E0001,02	L2471A06A5	SPECIAL CABLE	2		C0107	F1H1H180A231	C.CAPACITOR CH 50V 18P	1	
J0001	K1MZ30B00002	CONNECTOR	1		C0108	F3F1C1060002	T.CAPACITOR CH 16V 10U	1	
J0002	K1MZ10B00003	CONNECTOR	1		C0109	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1	F1H1E104A016
J0003,04	K1MZ18B00003	CONNECTOR	2		C0110	F1H1H390A231	C.CAPACITOR CH 50V 39P	1	
L0001	G1C150J00002	COIL 15UH	1		C0111	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
Q0001	2SC3931-C	TRANSISTOR	1		C0112	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
R0001	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C0113	F3H1C4760003	T.CAPACITOR CH 16V 47U	1	
R0003	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1		C0114	F1H1H100A226	C.CAPACITOR CH 16V 10P	1	
R0004	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1		C0115	F1H1H200A004	C.CAPACITOR CH 50V 20P	1	
R0005	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1		C0116	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
R0006	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C0118,19	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	2	F1H1E104A016
R0007	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1		C0120	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
R0008	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1		C0121	F3F0J3360001	T.CAPACITOR CH6.3V 33U	1	
R0009	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1		C0122	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
					C0302	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
					C0303	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1	
					C0304	F3G1C2260001	T.CAPACITOR CH 16V 22U	1	
					C0305	F1H1H180A231	C.CAPACITOR CH 50V 18P	1	
					C0306	F1H1H150A004	C.CAPACITOR CH 50V 15P	1	
					C0307	F1H1H180A231	C.CAPACITOR CH 50V 18P	1	
					C0308	F3F1C1060002	T.CAPACITOR CH 16V 10U	1	
					C0309	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1	
					C0310	F1H1H390A231	C.CAPACITOR CH 10V 39P	1	
					C0311	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C0312	F1H1H151A231	C.CAPACITOR CH 50V 150P	1		Q0127	2SC3931-C	TRANSISTOR	1	
C0313	F3H1C4760003	T.CAPACITOR CH 16V 47U	1		Q0128	2SA1532-CD	TRANSISTOR	1	
C0314	F1H1H100A226	C.CAPACITOR CH 50V 10P	1		Q0302	2SC3931-C	TRANSISTOR	1	
C0315	F1H1H200A004	C.CAPACITOR CH 50V 20P	1		Q0303	2SA1532-CD	TRANSISTOR	1	
C0316	F3F1A1060001	T.CAPACITOR CH 10V 10U	1		Q0304	3SK157	FET	1	
C0318,19	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	2		Q0305	2SC3931-C	TRANSISTOR	1	
C0320	F3F1A1060001	T.CAPACITOR CH 10V 10U	1		Q0306	2SA1532-CD	TRANSISTOR	1	
C0321	F3F0J3360001	T.CAPACITOR CH 6.3V 33U	1		Q0307	3SK157	FET	1	
C0502	F1H1H151A231	C.CAPACITOR CH 50V 150P	1		Q0308	2SC3931-C	TRANSISTOR	1	
C0503	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		Q0309	2SA1532-CD	TRANSISTOR	1	
C0504	F3G1C2260001	T.CAPACITOR CH 16V 22U	1		Q0310	3SK157	FET	1	
C0505	F1H1H180A231	C.CAPACITOR CH 50V 18P	1		Q0311,12	2SC3931-C	TRANSISTOR	2	
C0506	F1H1H150A004	C.CAPACITOR CH 50V 15P	1		Q0313	2SD1819A-R	TRANSISTOR	1	
C0507	F1H1H180A231	C.CAPACITOR CH 50V 18P	1		Q0314	2SC3931-C	TRANSISTOR	1	
C0508	F3F1C1060002	T.CAPACITOR CH 16V 10U	1		Q0315	2SD1819A-R	TRANSISTOR	1	
C0509	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	1		Q0316-18	2SA1532-CD	TRANSISTOR	3	
C0510	F1H1H390A231	C.CAPACITOR CH 10V 39P	1		Q0319	2SC3931-C	TRANSISTOR	1	
C0511	F3F1A1060001	T.CAPACITOR CH 10V 10U	1		Q0320-23	2SA1532-CD	TRANSISTOR	4	
C0512	F1H1H151A231	C.CAPACITOR CH 50V 150P	1		Q0324	2SD1819A-R	TRANSISTOR	1	
C0513	F3H1C4760003	T.CAPACITOR CH 16V 47U	1		Q0325	2SC3931-C	TRANSISTOR	1	
C0514	F1H1H100A226	C.CAPACITOR CH 50V 10P	1		Q0326	2SD1819A-R	TRANSISTOR	1	
C0515	F1H1H200A004	C.CAPACITOR CH 50V 20P	1		Q0502	2SC3931-C	TRANSISTOR	1	
C0516	F3F1A1060001	T.CAPACITOR CH 10V 10U	1		Q0503	2SA1532-CD	TRANSISTOR	1	
C0518,19	F1H1E104A016	C.CAPACITOR CH 25V 0.1U	2		Q0504	3SK157	FET	1	
C0520	F3F1A1060001	T.CAPACITOR CH 10V 10U	1		Q0505	2SC3931-C	TRANSISTOR	1	
C0521	F3F0J3360001	T.CAPACITOR CH 6.3V 33U	1		Q0506	2SA1532-CD	TRANSISTOR	1	
C0522	F3F1A1060001	T.CAPACITOR CH 10V 10U	1		Q0507	3SK157	FET	1	
					Q0508	2SC3931-C	TRANSISTOR	1	
CF0101	J0E5004B0001	LCR FILTER	1		Q0509	2SA1532-CD	TRANSISTOR	1	
CF0102	J0E9604B0002	LCR FILTER	1		Q0510	3SK157	FET	1	
CF0301	J0E5004B0001	LCR FILTER	1		Q0511,12	2SC3931-C	TRANSISTOR	2	
CF0302	J0E9604B0002	LCR FILTER	1		Q0513	2SD1819A-R	TRANSISTOR	1	
CF0501	J0E5004B0001	LCR FILTER	1		Q0514	2SC3931-C	TRANSISTOR	1	
CF0502	J0E9604B0002	LCR FILTER	1		Q0515	2SD1819A-R	TRANSISTOR	1	
					Q0516-18	2SA1532-CD	TRANSISTOR	3	
D0100	MA165	DIODE	1	MA2C165001VT	Q0519	2SC3931-C	TRANSISTOR	1	
D0300	MA165	DIODE	1	MA2C165001VT	Q0520-23	2SA1532-CD	TRANSISTOR	4	
D0500	MA165	DIODE	1	MA2C165001VT	Q0524	2SD1819A-R	TRANSISTOR	1	
					Q0525	2SC3931-C	TRANSISTOR	1	
IC0001	NJM2904D	IC	1	C0AABA000018	Q0526	2SD1819A-R	TRANSISTOR	1	
IC1	NJM431U	IC	1	C0DBEZC00003 FOR VEP83564A	Q0527	2SC3931-C	TRANSISTOR	1	
IC0101	TC4W53FU	IC	1	C0JBAR000113	Q0528	2SA1532-CD	TRANSISTOR	1	
IC0301	TC4W53FU	IC	1	C0JBAR000113					
IC0501	TC4W53FU	IC	1	C0JBAR000113	R1	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP83564A
					R2	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	FOR VEP83564A
J0001	K1MM16B00003	CONNECTOR	1		R3	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	FOR VEP83564A
J0002	K1MZ06B00001	CONNECTOR	1		R0003	ERJ3RBD163	M.RESISTOR CH 1/16W 16K	1	
J0003	K1MZ10B00003	CONNECTOR	1		R4	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83564A
					R0004	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
L0101	G1C2R7J00003	COIL 2.7UH	1		R0005	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
L0301	G1C2R7J00003	COIL 2.7UH	1		R0007	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L0501	G1C2R7J00003	COIL 2.7UH	1		R0009	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
					R0010	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
Q0001	2SB0786AHL	TRANSISTOR	1		R0012	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
Q0002	2SD0874AHL	TRANSISTOR	1		R0013	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
Q0101	2SA1532-CD	TRANSISTOR	1		R0101,02	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
Q0102	2SC3931-C	TRANSISTOR	1		R0103	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
Q0103	2SA1532-CD	TRANSISTOR	1		R0104	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
Q0104	3SK157	FET	1		R0105	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
Q0105	2SC3931-C	TRANSISTOR	1		R0106	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
Q0106	2SA1532-CD	TRANSISTOR	1		R0107	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
Q0107	3SK157	FET	1		R0108	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
Q0108	2SC3931-C	TRANSISTOR	1		R0109	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
Q0109	2SA1532-CD	TRANSISTOR	1		R0110	ERJ3GEYJ241	M.RESISTOR CH 1/16W 240	1	
Q0110	3SK157	FET	1		R0111	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
Q0111,12	2SC3931-C	TRANSISTOR	2		R0112	ERJ3GEYJ242	M.RESISTOR CH 1/16W 2.4K	1	
Q0113	2SD1819A-R	TRANSISTOR	1		R0113	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
Q0114	2SC3931-C	TRANSISTOR	1		R0114	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
Q0115	2SD1819A-R	TRANSISTOR	1		R0115	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
Q0116-18	2SA1532-CD	TRANSISTOR	3		R0116	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
Q0119	2SC3931-C	TRANSISTOR	1		R0117	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
Q0120-23	2SA1532-CD	TRANSISTOR	4		R0118	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
Q0124	2SD1819A-R	TRANSISTOR	1		R0119,20	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
Q0125	2SC3931-C	TRANSISTOR	1		R0121	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
Q0126	2SD1819A-R	TRANSISTOR	1		R0122	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R0123	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R0341,42	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R0124	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1		R0343	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R0125	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R0344,45	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R0126	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1		R0346	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R0127	EVM7JGA00B12	V.RESISTOR 100	1		R0347	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0128	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1		R0348	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0129	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1		R0349	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0130	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R0350	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0131	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1		R0351,52	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R0132	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1		R0353	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R0133	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R0354	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0134	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1		R0355	EVM7JGA00B23	V.RESISTOR 2K	1	
R0135	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1		R0356	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0136	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1		R0357	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R0137	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1		R0358	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0138	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1		R0359	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0139	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1		R0363	EVM7JGA00B23	V.RESISTOR 2K	1	
R0140	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1		R0370	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R0141,42	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2		R0371	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0143	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1		R0504	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0144,45	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2		R0505	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0146	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1		R0506	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R0147	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1		R0507	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0148	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R0508	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0149	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1		R0509	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0150	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R0510	ERJ3GEYJ241	M.RESISTOR CH 1/16W 240	1	
R0151,52	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2		R0511	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R0153	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1		R0512	ERJ3GEYJ242	M.RESISTOR CH 1/16W 2.4K	1	
R0154	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R0513	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0155	EVM7JGA00B23	V.RESISTOR 2K	1		R0514	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0156	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1		R0515	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0157	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1		R0516	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0158	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1		R0517	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R0159	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1		R0518	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R0163	EVM7JGA00B23	V.RESISTOR 2K	1		R0519,20	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R0165	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1		R0521	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0167	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1		R0522	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0170	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R0523	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0171	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R0524	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0304	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1		R0525	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0305	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R0526	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R0306	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1		R0527	EVM7JGA00B12	V.RESISTOR 100	1	
R0307	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1		R0528	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R0308	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R0529	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R0309	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1		R0530	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0310	ERJ3GEYJ241	M.RESISTOR CH 1/16W 240	1		R0531	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R0311	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R0532	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0312	ERJ3GEYJ242	M.RESISTOR CH 1/16W 2.4K	1		R0533	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0313	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R0534	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0314	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1		R0535	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R0315	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R0536	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R0316	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R0537	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R0317	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1		R0538	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0318	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1		R0539	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R0319,20	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2		R0540	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R0321	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1		R0541,42	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R0322	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R0543	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R0323	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R0544,45	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R0324	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1		R0546	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R0325	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R0547	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0326	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1		R0548	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0327	EVM7JGA00B12	V.RESISTOR 100	1		R0549	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0328	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1		R0550	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0329	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1		R0551,52	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R0330	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R0553	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R0331	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1		R0554	ERJ3GEYJ511	M.RESISTOR CH 1/16W 510	1	
R0332	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1		R0555	EVM7JGA00B23	V.RESISTOR 2K	1	
R0333	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R0556	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0334	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1		R0557	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R0335	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1		R0558	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0336	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1		R0559	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0337	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1		R0563	EVM7JGA00B23	V.RESISTOR 2K	1	
R0338	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1		R0565	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R0339	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1		R0567	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R0340	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1		R0570	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	





























Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R0580,81	ERDS2TJ102	C.RESISTOR 1/4W 1K	2		P9	VWJ07D5030AA	FLAT CABLE	1	
					R30	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
					R31	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
					R32	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
					R43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
■ E16	VEP80B98A	R SIDE C.B.A.	1 (RTL)		R44	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
					R45	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
B1	BCR20H4	BUTTON BATTERY HOLDER	1		R46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C1	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		R47	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
C2	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1		R48	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
C3-C5	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3		SW11	EVQQS205K	SWITCH	1	
C6	ECEA0J5N470	E.CAPACITOR 6.3V 47U	1		SW12	K0G119A00024	SWITCH	1	
C7	ECEA1CSN4R7	E.CAPACITOR 16V 4.7U	1		VR3	D2BBC14Y0003	V.RESISTOR 10K	1	
D1-D5	MA142WK	DIODE	5				MISCELLANEOUS		
D6	MA142WA	DIODE	1						
D7-18	MA142WK	DIODE	12						
IC1	UPD16431AGC	IC	1	COHBA0000023					
P2	VEE0N21	R SIDE CABLE	1						
P3	K1MN18B00013	CONNECTOR	1						
P4	VEE0N23	MENU JOG CABLE	1						
P5	VJP1243T	CONNECTOR (MALE) 3P	1		■ E18	VEP80C00A	AUTO IRIS C.B.A.	1 (RTL)	
P6	VWJ12D5060AA	FLAT CABLE	1						
P7	VEE0N22	POWER SW CABLE	1						
QR1,R2	UN5113	TRANSISTOR-RESISTOR	2		D19	LN48YCPP	LED	1	
R1	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1		SW13	EVQQS205K	SWITCH	1	
R4,R5	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2		SW14	K0D123A00060	SWITCH	1	
R6	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1		SW15	EVQQS205K	SWITCH	1	
R7	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1				MISCELLANEOUS		
R8,R9	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2						
R11-14	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	4						
R15	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1						
R16	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1						
R17	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1						
R18	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1						
R19-22	ERJ8GEYJ101	M.RESISTOR CH 1/8W 100	4						
R23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1						
R25-28	ERJ14YJ100	M.RESISTOR CH 1/4W 10	4		■ E19	VEP80C01B	LED C.B.A.	1 (RTL)	
R33-36	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	4						
R37	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1						
R38-42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5		D20	B3CKE0000005	LED	1	
SW1	K0D122A00120	SWITCH	1		P11	VWJ03D5065AA	FLAT CABLE	1	
SW2	K0D123A00060	SWITCH	1				MISCELLANEOUS		
SW3	K0D122A00120	SWITCH	1						
SW4,W5	K0D123A00060	SWITCH	2						
SW6	K0D122A00120	SWITCH	1						
SW7	K0D123A00060	SWITCH	1						
SW8	K0D122A00120	SWITCH	1						
SW9	EVQQS804B	SWITCH	1						
VR1,R2	VRV0080	V.RESISTOR	2	D2BCA14A0001					
		MISCELLANEOUS			■ E20	VEP80B94A	TOGGLE SW C.B.A.	1 (RTL)	
	VWB0123	CLAMPER	1		P1	VJP1236T	CONNECTOR (MALE) 9P	1	K1KA09A00023
					SW1-W3	K0E113A00005	SWITCH	3	
					SW4	K0E112A00043	SWITCH	1	
■ E17	VEP80B99A	SCENE FILE C.B.A.	1 (RTL)						
C8	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1		■ E21	VEP80C02A	FRONT TOGGLE SW C.B.A.	1 (RTL)	
D21-24	MA142WK	DIODE	4						
					L1-L5	VLF1315A102	FILTER	5	J0JHC0000015

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L3,L4	VLF1151A132	COIL	2	
		MISCELLANEOUS		
	VEE0Q39	ANTON A CABLE ASS'Y	1	
	VEE0Q40	ANTON B CABLE ASS'Y	1	
	VEE0Q41	BATT A CABLE ASS'Y	1	
	VEE0Q42	BATT B CABLE ASS'Y	1	
		(RTL)		

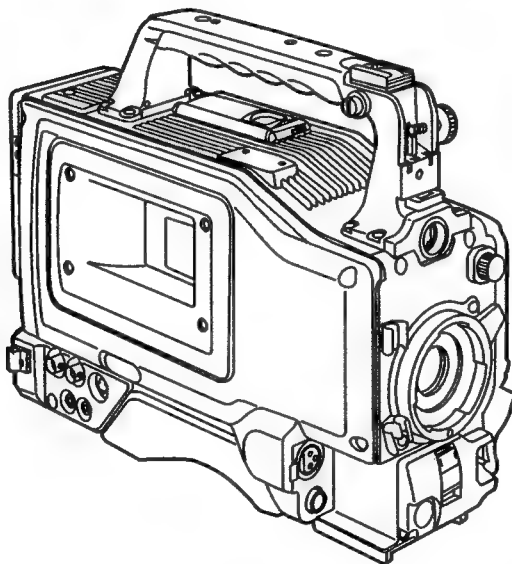
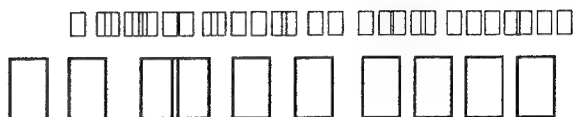
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Service Manual

- 1     SI
- 2     MBCE
- 3     EL only
- 4     Block
- 5     Sch
- 6     Board
- 7     Ex: list

DN



Panasonic®



Specifications

[GENERAL]

Power requirements: DC 12 V (11.0 V to 17.0 V)
Power consumption: 18 W

 indicates safety information.

Operating temperature:
0 °C to +40 °C

Storage temperature:
-20°C to +60 °C

Operating humidity:
Less than 85% (relative humidity)

Continuous operating time:
Approx. 120 min. (continuous recording time
using the TRIMPAC14 made by Anton Bauer)

Dimensions (W × H × D):
123 × 190 × 292 mm (excluding grip)

Weight:
Approx. 3 kg (main unit only)

[CAMERA UNIT]

Pickup device:
1/2-inch IT type CCD (480,000 pixels)

System:
RGB 3-CCD system

Total number of pixels:
795(H) × 596(V)

Number of effective pixels:
752(H) × 582(V)

Spectral system:
f/1.4 prism system

Internal filters:
1: 3200K (clear)
2: 5600K + 1/8ND
3: 5600K
4: 5600K + 1/64ND

Quantizing:
10 bits, non-linear

Sampling frequency:
14.1875 MHz

Digital signal processing:
28.375 MHz

Horizontal drive frequency:
14.1875 MHz

Programmable gain:
3 positions (L, M and H) selected from 0, 3, 6,
9, 12, 15, 18, 21, 24, 30, 36 dB

Shutter speed
Preset: 1/60, 1/120, 1/250, 1/500, 1/1000,
1/2000
Variable: 1/50.2 to 1/248.0

Lens mount:
Bayonet type

Sensitivity:
F11 (2000 lux)

Minimum subject brightness:
0.5 lux (at f/1.4 +36 dB)

Video S/N ratio:
60 dB (standard)

Horizontal resolution:
800 lines (at centre) (CAM OUT connector)

Registration:
Less than 0.05% (total area, lens distortion
excluded)

Geometric distortion:
Negligible (lens distortion excluded)

[VTR UNIT]

Video system

Recording format:
DV format

Sampling frequency
Y: 13.5 MHz

Quantizing:
8 bits

Audio system

Recording format:
Digital PCM stereo recording
16 bits (48 kHz/2 channels)
12 bits (32 kHz/2 channels)

Frequency response:
20 Hz to 20 kHz (at 48 kHz)

Tape transport system

Tape format:
DV standard cassettes

Tape speed:
18.831 mm/sec.

Maximum recording time:
276 min.

Specifications

[CONNECTOR SECTION]

Input

AUDIO IN CH1/CH2 (XLR × 2, 3 pins):

LINE/MIC/MIC+48V switching system

MIC: -40, -50, -60 dBu menu-selectable

LINE: -6, 0, +4 dBu menu-selectable

MIC+48V: Phantom +48V supported

MIC IN (XLR, 3 pins):

MIC/MIC+48V switching system

MIC: -40, -50, -60 dBu menu-selectable

MIC+48V: Phantom +48V supported (menu-selectable)

GEN LOCK IN (BNC):

1.0 V[p-p], 75 Ω

Output

CAMERA OUT (BNC):

1.0 V[p-p], 75 Ω

VIDEO OUT (BNC):

1.0 V[p-p], 75 Ω

S-VIDEO OUT (S connector)

Y signal: 1.0 V[p-p], 75 Ω

C signal: 0.3 V[p-p], 75 Ω

AUDIO OUT CH1/CH2 (RCA × 2):

-6 dBu, low impedance, unbalanced

PHONE OUT (stereo mini jack):

-30 to -80 dBu

Other

DV 1394 (4 pins):

IEEE1394 output

DC IN (XLR, 4 pins, male):

DC 12 V (DC 11 to 17V)

DC OUT (4 pins):

DC 12 V (DC 11 V to 17 V), max. 1 A (DC 7 V, max. 1 A output also available)

LENS (multi-connector, 12 pins)

EVF (multi-connector, 20 pins)

[VIEWFINDER]

(Optional accessory AJ-VF10)

CRT:

1.5-inch high-resolution monochrome CRT

Video system:

625 lines, 50 fields

External controls

Controls: BRIGHT, CONTRAST, PEAKING

Switches: TALLY HIGH/OFF/LOW, ZEBRA ON/OFF

[ACCESSORIES]

- Battery holder (already installed on unit) for Anton Bauer products

- Microphone

- Tripod plate

[RELATED EQUIPMENT]

Power supply-related products

Battery packs:

AU-BP402, AJ-BP490

Battery chargers:

AJ-B425 (for charging the AU-BP402 battery pack)

AJ-B450 (for charging the AU-BP402 and the AU-BP490 battery pack)

Battery case:

AU-M402H

AC adapter:

AJ-B75

Audio products

Microphone kit:

AJ-MC700

Microphone holder:

AJ-MH700

Wireless mic receiver:

WX-RJ700

Camera attachment:

WX-ZJ770

Maintenance products

Cleaning tape:

AY-DVCL

Soft carrying case:

AJ-SC900



Rain cover:

SHAN-RC700

Shoulder strap:



VFC2588 (service part)

NOTE:

1. Be sure to make your orders of replacement parts according to this list.
2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are in MICROFARADS (μ F), P= μ μ F.
3. The P.C. Board untills marked with " ■ " shown below the main assembled parts.
4. The parts marked with  on the exploded view show the electric parts.
5. **IMPORTANT SAFETY NOTICE**
Components identified with the mark  have the special characteristics for safety. When repl any of these components, use only the same type.
6. The marking (RTL) indicates the retention time is limited for this item. / After the diacontinuation assembly in production, it will no longer be available.
7. "(M)" in Remark column indicates needed in the periodical maintenance.

8. Electrical Replacement Parts List

NOTE:

1. Be sure to make your orders of replacement parts according to this list.
2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are in MICROFARADS (μ F), P= μ μ F.
3. The P.C. Board untills marked with " ■ " shown below the main assembled parts.
4. The parts marked with  on the exploded view show the electric parts.
5. **IMPORTANT SAFETY NOTICE**
Components identified with the mark  have the special characteristics for safety. When repl any of these components, use only the same type.
6. The marking (RTL) indicates the retention time is limited for this item. / After the diacontinuation assembly in production, it will no longer be available.
7. "(M)" in Remark column indicates needed in the periodical maintenance.

9. PDF for Printing

The PDF documents for printing consist of several files per section. Open every section (file) through a link (blue frame) on the cove.

● **Setting of Acrobat Reader**

To view a link in a new window, follow the procedure below. When you operate the PDF documents for printing, you can open a PDF file of each section while displaying the cover page. This is convenient to view the PDF files in several sections.

<How to set> In the [File] menu, select [Preference] - [General...] and disable [Open Cross-Document in Same Window].